BAHNER

RCMA

NEWSLETTER

DECEMBER 1986

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

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RCMA NEWSLETTER

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Manhattan Beach, CA 90266-8198

FOR YOUR INFORMATION:

1. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropiate, send input to RCMA, P.O. Box 1198, Manhattan Beach, CA 90266-8198

2. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA General Manager, P.O. Box 542, Silverado, CA 92676.

3. PLEASE INCLUDE YOUR RCMA MEMBERSHIP NUMBER WITH ALL CORRESPONDENCE to newsletter editors or club headquarters.

4. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

5. Please write on only one side of the paper.

6. Please don't combine in one letter several items that should go to different addresses.

7. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

8. Your RCMA membership number and expiration date appear on your newsletter mailing label.

9. You may join or renew your membership for ONLY one year at a time.

10. RCMA accepts paid advertising. For information on advertising rates and mechanical requirements, contact Carol Ruth, RCMA Advertising Manager, P.O. Box 542, Silverado, CA 92676.

RCMA NEWSLETTER

ISSUE 130 DECEMBER 1986

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RCMA, Inc., P.O. Box 4563, Anaheim, CA 92803

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CONTACTING RCMA?

Membership applications or renewals, address changes, inquiries about delivery or renewal problems:

Write to: RCMA General Manager
P.O. Box 542
Silverado, CA 92676

Comments or questions about RCMA club policy or newsletter content: Write to: William Mauldin, RCMA General Editor
961 Azallea Street
Boca Raton, FL 33432

Letters for publication in "Your Thoughts" column: Write to: Kurt Swaney, RCMA Assistant Editor
P.O. Box 1198
Manhattan Beach, CA 90266-8198

Correspondence sent to RCMA's Anaheim Post Office Box will still be answered, but there will be a 4-6 week delay.

MGM Studios uses this antenna for craft services on its main lot in Culver City, CA.

Photo by Hugh Stegman

The RCMA Newsletter is published by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, Inc., P.O. Box 4563, Anaheim CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$18.50; Europe—$20.00, South Pacific and Asia—$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

CALENDAR

Send notices of upcoming events for the Calender section to:
John R. Clark, 2701 Fairview Road, Costa Mesa, CA 92620
Deadline: 1st of the month two months prior to cover date.

R.C.M.A. Greater L.A. Area Chapter

We are still in the process or a reorganization. Check this column next month. Late minute information may appear on 446.375 MHz.

R.C.M.A. West Los Angeles Chapter

Contact : Hugh Stegman (CA-LA-472)
Talk in: 146.925 MHz {-600 PL-2A} Tues 1930 hrs net.

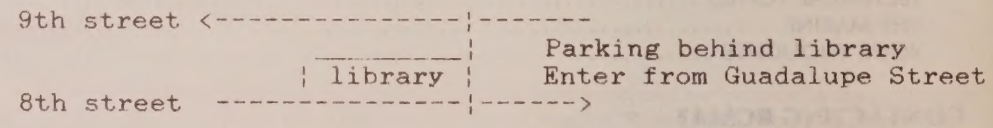
The new West Los Angeles Chapter of RCMA meets on the 2nd Wednesday of every month, at 7:30 PM, at Shakey's on Sepulveda Blvd. and Playa or Jefferson (depends on which way you're going), in Culver City. This is few blocks north of Fox Hills Mall, and the 405 freeway exit at Slauson.

Meetings are scheduled for Nov 12, and Dec 10, 1986. Come for frequency swapping and general fun.

Austin Area Radio Listeners Meeting

The Austin Area Radio Listeners Club wishes to thank TX 043 Richard Quintanilla for his past work, and wish him good look in his new position. The club activities will continue with Dan Parkhurst as the coordinator. As of this writing the meetings will be as shown below.

Meeting every 2nd Tuesday 6:45 PM Austin Public Library 4th floor room B. For more information, contact Dan Parkhurst ND 001 7900 B Brodie Lane, Austin, TX 78754



R.C.M.A. Chicago Chapter

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Saturday November 15 1986 12:30 PM

Visitors are welcome but please confirm the date in advance.

A SASE on file assures notification of tours and other items which may be scheduled on short notice.

R.C.M.A. for D.C., MD, VA, & DE

Contact: Capitol Hill Monitors % Alan Henney (MD 069)
6912 Prince Georges Ave, Takoma Park, MD 20912

R.C.M.A. Minneapolis – St. Paul Area Chapter

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

A SASE on file assures notification of chapter activities (tours, gatherings, etc). Non members are welcome to attend.

All Ohio Scanner Club

Contact David B. Marshall OH-146, Managing Editor
50 Villa Road, Springfield, OH 45503-1036

The All Ohio Scanner Club covers the area of Indiana, Kentucky, Michigan, Pennsylvania, West Virginia, and Ontario, Canada. We welcome members from these and other areas who wish to join our club.

Sample Newsletter: $1.00 plus $0.39 stamp. Membership information for a large SASE to the Post Office Box listed above.

R.C.M.A. Philadelphia Chapter

Contact Gerald H. Shoaf PA-036 Floyd Schoenberg PA-076
C. Willard Lord PA-164 (215) 356-1982
P.O. Box 213, Upper Darby. PA 19082

Meetings held the first Monday evening of each month at 8 PM

Saint James Church (next to "The Grange").
Corner of Myrtle Ave & Warwick Road
Havertown, PA 19083

Talk in CB Ch 9, GRMS 467/462.675 {4a} or {6a}
Hams 147.66/.06

R.C.M.A. Wisconsin Chapter

Contact Scott W. Miller WI-039
122 Greenbriar Drive, Sun Prairie, WI 53590

NEED BACK ISSUES OF THE RCMA NEWSLETTER:

Lots (Months/Year)	No. of Issues	Price
Sept 75 — June/July 76 (No Oct. or Nov. Published)	7	$2.00
August — Dec. 76 (No Oct. Published)	4	$3.00
Jan. — June 77	6	$4.00
July — Dec. 77	6	$4.00
Jan. — June 78	6	$5.00
July — Dec. 78	6	$5.00
Jan. — June 79	6	$6.00
July — Dec. 79	6	$7.00

1980—to date issues are available at $1.50 per copy

Order Total	Include This Amount of Postage
$ 1.50 — $ 5	$1.20
$ 5.50 — $10	$2.25
$10.50 — $15	#3.30
$15.50 — $25	$4.15
$25.50 — $35	$5.50
Over $35	$7.00

Send your request & check/M.O. (payable to RCMA) to:
RCMA General Manager
P.O. Box 542
Silverado, CA 92676

your thoughts

Kurt Swaney, RCMA Assistant Editor
P.O. Box 1198, Manhattan Beach, CA 90266-8198

Your Thoughts is RMCA's members forum on current topics of interest to the scanner hobbyist. If you have any thoughts you would like to express, RCMA encourages you to send them in.

All letters must include your name, address, and RCMA membership number. Due to space limitations, RCMA reserves the right to condense submitted material.

NO COLUMN THIS MONTH

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS
NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

Write to Joe Barr, 1500 Bunbury Dr., Whittier, CA 90601, for the following:
Copy of ANARC Club List — Sent 25¢ and an SASE (business size)
Sample Copy of ANARC Newsletter — Send 60¢ and an SASE (business size)
Annual Subscription to ANARC Newsletter — $7.50 for residents of U.S., Canada, and Mexico; $10 Overseas (Airmail)

ANARC 1987 Convention to be held in Mid July 1987 in Toranto, Canada. Make plans to attend now. ANARC 1988 will be held in Mid July in Huntington Beach, California, USA.

NOV 14 MINNESOTA DX CLUB, Friday 7 PM meeting at the Hennepin County Government Center. Jury Meeting Room, 300 South 6th St, Minneapolis, MN.

SPEEDX Organizes Local Chapters. For details send a SASE to Peggy Thompson, 2706 Alabama St., La Crescenta, CA 91214-2925. Chapters already organized include: Rocky Mountain Listeners, Wayne Heinen, 4131 South Andes Way, Aurora, CO 80031; Chesapeake Chapter, John Cereghin, 6812 Pickett Drive, Morningside, MD 20746; Old Dominion DX Club, Lynn Burke, 285 Westwi Drive., Newport News, VA 23602; and Flordia Associations of DXers, David Sharp, 3024 Gates Drive, Apt 385, Tampa, FL 33613

RADIO DATABASE INTERNATIONAL, 1987 EDITION is now available from the publishers, International Broadcasting Services, Ltd., P.O. Box 300, Penn's Park, PA 18943. Editor in chief is Lawrence Mane. Price $12.95 per copy. Complete coerage of shortwave radio around the world, with graphics letting you see what stations you can hear at that time and frequency. Over a dozen articles, on Radio Beijing, The BBC, Buyer's Guide to Portable World Receivers, etc. 352 7x10 pages, softbound.

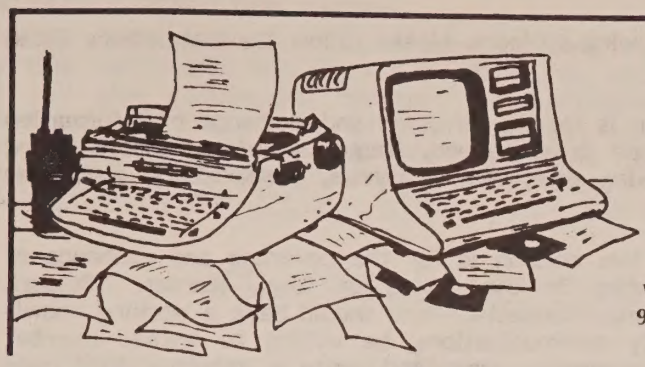
DX REPORTER, published by Association of DX Reporters, 7008 Plymouth Rd, Baltimore, MD 21208, has sample bulletins for $1.00.

CENTURY PRINT SHOP, 6059 Essex Street, Riverside, CA 92504-1599 is taking Per-publication orders for the 1987 WORLD RADIO TV HANDBOOK at $17.00, in the U.S.A only. (Specify P.O. Book rate or UPS delivery.) Add $1.02 sales tax for CA delivery. For first class mail add $2.00. For more information call (717)- 687-5910. Make checks payable to Century Print Shop.

HANDS-ON ELECTRONICS, The Magazine for the Electronics Activist, is now a monthly publication. Featured in the first of the monthy issues is "Shortwave Offers a World of News" by Don Jensed, founder and first Executive Secretary of ANARC. Subscriptions are $28.00 a year. Published by Gernback Publications, 500-B Bi-county Blvd, Farmingdale, NY 11735.

NORTHLAND ANTIQUE RADIO CLUB is a new organization formed to aid the hobby of old radio collecting. Vol 1, No 1, was published in August, 1986. Dues are $10.00 per year, newsletter is issued bi-monthly. For more information send a SASE to Northland Antique Radio Club, P.O. Box 18362, Minneapolis, MN 55418.

RADIO SWEDEN INTERNATIONAL, S-105 10 Stockholm, Sweden, has published a new edition of their English leaflet. Included is the latest on monitoring satellites and space communications. Also new is their update on "The DXers Guide to Computing". Both publications are available for free by writing go George Wood, at the above address.



From The CAPTAIN'S DESK

William Mauldin, RCMA General Editor
961 Azalea Street, Boca Raton, FL 33432

BULLETINS - NOTICES - ANNOUNCEMENTS

RCMA SURVEY INPUT is coming in at a better rate than last year. Bob Cheek will be working on a computer tally program this month, and I hope we can have something in print soon regarding the general membership response. As most of you know, the YEARLY MEMBERSHIP SURVEY is your voice and vote on the content of the RCMA NEWSLETTER for the 1987 publication year. My thanks to all who took the time to fill in the blanks and answer the questions! Detailed response information will be printed soon for all to see.

NEW COLUMN COMING soon! We are hoping to have a working Editor in place and writing on SPECIAL EVENTS in next month's edition. As this column is being written, we are reviewing member qualifications for the position. SPECIAL EVENTS will take a great deal of ADVANCE planning and research. The information will have to be in the hands of the Editor MONTHS before the event actually takes place. Watch for this new column, and if you have a SPECIAL EVENT... such as the Orange Bowl Parade in Miami, send the Editor of SPECIAL EVENTS information and details. Important, detailed research will be necessary to make this column a success, but it will really be nice to have a listening guide when any of us attend a really SPECIAL EVENT.

PORT AUTHORITY MICROWAVE LINK between New York City metro airports has been announced by PONYA (Port of New York Authority). The $2.1 million dollar upgrade to the PONYA microwave system will link Newark Airport, La Guardia Airport, Kennedy Airport to the PONYA Headquarters in the World Trade Center. The digital microwave system will provide voice, data, facsimile and video transmission services. The spoke and hub system is expected to be on line by September 1987. Aeronautical Radio (ARINC) of Annapolis, Maryland is the selected supplier of the new system.

GROVE ENTERPRISES NEW CATALOG has been released, updated and many copies have been mailed to radio buffs. Bob Grove's GROVE ENTERPRISES revised catalog lists many products which are certainly of interest to the serious radio hobbyist. Grove offers a 100% satisfaction guarantee on the mail and phone order items. The 36 page catalog offers an excellent listing of many new and standard items which are of interest to all. If you did not receive your copy, perhaps a card or letter to Grove Enterprises, Inc., Post Office Box 98, Brasstown, North Carolina 28902 would be in order. Bob is a former Federal Editor for RCMA, and we are pleased to see his products and publications doing so well for him. Grove prices are discounted, and service is excellent.

AES CATALOG for fall / winter 1986 is out. Amateur Electronics Supply has released their second catalog for 1986. The 104 page catalog lists just about everything from cable to transceivers, at discounted prices. Serving mostly amateur radio operators for years, AES has built a company which has become a major electronics supplier for just about everyone interested in radio in one form or another. Both list and discount price information is shown in the extensive catalog. The AES Catalog is the standard reference of most ham operators, and is filled with pictures and product information. Amateur Electronics Supply, 4828 West Fond du Lac Avenue, Milwaukee, WI 53216.

REGENCY ELECTRONICS announced that a new supply of the much demanded MX-7000 scanner should have reached distributors and dealers by the time you read this. As many of you know, the supply of MX-7000 dried up in early fall, but a Regency spokesman at the factory said that a major shipment of the all band scanners should arrive from Japan by early November, and that store back orders should be filled before the Christmas Season. If you have had a MX-7000 on back order with any dealer, your order should be arriving just about any day now.

HELP WANTED - EDITOR POSITIONS - HELP WANTED

We have openings for volunteer Editors in the following positions. If you are interested

in writing a monthly column on the following subjects, please follow the instructions listed in this announcement.

SPACE COMMUNICATIONS... this column is for the coverage and exchange of information related to space communications, manned or unmanned, frequency information - ground and in space, orbital data, hobby receiving equipment, antennas, transponders, and other data useful to satellite signal reception.

PUBLIC SAFETY NORTH CENTRAL... this column is for the coverage and exchange of information on all public safety agencies in the states of Iowa, Kansas, Missouri, Nebraska, North Dakota, South Dakota and Minnesota. You should have a working knowledge and understanding of public safety communications, be willing to answer member questions on general subjects in your coverage area, and write a monthly four page column on this subject.

COMPUTER CORNER... this column is for the coverage and exchange of information on how to incorporate your personal computer into your monitoring hobby. The editor must have a working knowledge of most personal computer systems, have some basic programming skills, and be able to write a monthly column of two to three pages on this subject.

In making application for an announced Editor opening, contact the General Editor by mail. In your letter, tell about yourself, your qualifications and your ideas for the column. Use the typewriter or word processing printer that you would actually use, if selected, to fill the editor position. If two members of equal qualifications make application for an editor opening, the one with the best typewriter or word processing printer will be selected to fill the position. Make your letter neat, mistake free and tell everything which might give you a better chance for the position that you are seeking. All columns must be camera ready for printing, so your typewriter or printer plays a very important part in the selection process.

EDITOR WAIT LIST FILE

When Editor positions are vacated, if you have your name on file with the General Editor, you will receive an announcement of the opening by first class mail. At that time, you must respond with the application information noted above. If you would like to be placed on the EDITOR WAIT LIST FILE, write me a letter and list the columns that interest you. When an Editor resigns, you will be notified and have first chance at making application for the opening. Being on the list does not mean you will be selected, but you will have news of the opening and have a chance to make an immediate application! Whether the column is vacant or not - IF you are interested in the job, get on this wait list! Column Editor replacements are picked from the WAIT LIST if possible to insure minimum delay and fewer "no column months".

NEW PUBLICATIONS THIS MONTH

Robert Kelty of Mobile Radio Resources sends us a copy of his new book MILITARY RADIO SYSTEMS OF CALIFORNIA. The 80 page booklet is one of the most unusal collections of frequencies that we have seen. Robert Kelty indicated that he spent over three years of research in compiling the extensive listing of military frequencies. Many hours of actual field monitoring and frequency verification makes the data very current, reliable and accurate. The directory certainly fills the needs of those who enjoy monitoring the military radio activity. Robert mentions that he expects to expand the next book to include the 225 MHz to 400 MHz band. There are sections on the U.S. Air Force, Army, Navy and Marines. The last portion of the book is a block frequency guide. MILITARY RADIO SYSTEMS OF CALIFORNIA, a Summer Supplement to Government Radio Systems is a working notebook of armed forces radio, non-tactical voice communications. This is a very unusual directory, and offers some interesting reading. Further information can be obtained by sending a stamped, self-addressed envelope to Mobile Radio Resources, 2661 Carol Drive, San Jose, CA 95125 or by phoning 408-292-4342. The price of the directory is noted at $8.00, plus postage and state tax, if required.

REVISED INSTRUCTIONS TO STAFF EDITORS

Staff Editors are normally sent instructions and guidelines directly when assigned a writing position, however, since many of you contribute several pages of written material at a time, I am printing the revised editor instruction sheet for all members to read and use as reference, when necessary. Naturally editors appreciate material that is already typed and fits the required RCMA camera ready print requirements. Staff editors are to pay special attention to this material, but it is submitted for the information of all contributing members.

NOTE! This document is an instruction sheet FOR EDITORS. It is printed here for general membership INFORMATION ONLY. By publishing this information, we are hoping it will give contributing members some guidelines on how to type or print lengthy contributions. Editors will not have to retype material which fits the requirements noted in this document. Your help when submitting mistake free, camera ready material is encouraged! MEMBERS SHOULD CONTINUE TO MAIL THEIR CONTRIBUTIONS DIRECTLY TO THE COLUMN EDITORS, using this information for reference only:

EDITOR GUIDELINES FOR COLUMN CONSTRUCTION

--- Revised November 17, 1986 ---

The following information is offered as a guide to assist you in the writing and construction of your monthly column. As a member of the RCMA staff, we value and welcome your suggestions. Let us hear from you, should you have any ideas which might give our club publication a better, more uniform appearance.

1. Make every possible effort to keep the material in your column directly related to the subject of your column title. In writing an article which offers complete coverage of a department, agency, state or other related subject, some crossing of subject boundary lines is permitted, however, remember it is in the best interest of the reader if you devote your column space to your column subject. Let's be fair and work together in the best interest of the club. If you get information which belongs to another editor, forward that material to the editor who covers that subject.

2. Our members have a right to know about other hobby related publications, however, if we give free advertising to publishers in our columns, there is no need for them to buy our ad space. Remember, advertising can pay our bills and cut membership costs. If you want to review a publication or directory, you are free to do so, however, do ask the publisher to consider advertising with us. When mentioning a directory or publication which has been sent to you for review, encourage the membership to support those publishers who mention RCMA in their books.

3. We get a great deal of information and membership input from our centerfold surveys. You are welcome to take advantage of this tool. Centerfold surveys must be four pages in length. We suggest a format similar to the one used in our yearly survey. Your survey material will be used when there is space available, however, having your own survey devoted to your column can be a very useful tool.

4. Make every possible effort to print all member submitted contributions, no matter how small. Coverage of an area or subject often gets additional input on the subject. If a member sees his name and membership number in print, he is also more likely to send in additional contributions in the future.

5. Editors are expected to acknowledge member contributed material. Although the club is not able to pay editor postage costs at this time, it is common courtesy to thank a member for his time, effort and material. All it takes is a brief note on a postal card, and you can be sure it is appreciated by the contributing member.

6. Each editor is expected to mail their column material to Carol Ruth by the first day of each month. IF you are unable to have a column for an upcoming month, you MUST write Carol and advise her of the "no column month" BY THE FIRST OF THE MONTH so your space won't be held open. A late editor can delay the entire publication. Your co-operation in this matter is expected without exception.

7. Editors are permitted to use information from copyrighted directories and books providing they credit the source in the article. We discourage this except when there is no other way to obtain the information. Please use copyrighted material only when it is absolutely necessary, and then on a very limited basis. There is really no need for us to reprint information that the membership can obtain directly from another commercially available book or directory.

8. Editors should make every possible effort to write a column every calendar month. If you know you are going to have a vacation or family reunion which will cause you to have limited time during an upcoming month, plan to write your column ahead of time and mail it to Carol Ruth earlier than usual. Your readers miss your material when it is not there! Make sure you print something every month. The General Editor will assist you in having a column, providing you give enough notice.

9. Editors are encouraged to index by subject & NEWSLETTER issue and by NEWSLETTER issue & content, with the index printed each December. If you have enough space

in your column, we encourage you to index for the past two years. Our membership surveys indicate the vast majority of RCMA members want the December index, and use it often to locate articles on subjects of interest.

10. Columns should be sent to Carol Ruth camera ready! There is little time for spelling corrections or smudge coverage. Keep in mind that what you send is normally exactly what you will see in print! Check your column for mistakes before you send it. Make certain there are no mistakes or smudges. Use these guidelines:

A. Use a good quality typewriter or computer printer.
B. Make sure the ribbon is in good condition and lettering is clear.
C. Typed or printed lines must be 7" justified, 7 1/2" unjustified length.
D. Maps, charts and drawings should fit in a space 7" wide by 12" long.
E. All material should be professionally written and spaced.
F. Do not submit any clipped, printed material from other copyrighted publications, books or directories.
G. DO NOT send any double spaced material.
H. Minimum type size is 7 points (average typewriter characters are 10 points).
I. You are encouraged to re-type member submitted material for a more uniform column appearance.
J. DO NOT use "script" style type.

11. Always remember to credit your sources! When printing a member's name, unless you have his permission for full name use, print only the first name and membership number. Print full member names and addresses only with prior permission.

12. Column due dates:

Jan 1st is March Issue	May 1st is July Issue	Sep 1st is November Issue
Feb 1st is April Issue	Jun 1st is August Issue	Oct 1st is December Issue
Mar 1st is May Issue	Jul 1st is September Issue	Nov 1st is January Issue
Apr 1st is June Issue	Aug 1st is October Issue	Dec 1st is February Issue

13. RCMA Policy prohibits the publication of the following things: (1) Any officially classified Federal frequency, code or ID list; (2) tones used to access repeater systems; (3) frequencies used in investigative surveillance bugs; (4) and, any other item deemed not in the best interest of RCMA because of local crisis situations or because there is no interest in the material by the general membership. Use good judgement.

14. Being the "editor" of your column gives you the right NOT to print any items which you feel might not be in the best interest of the club, the community or the general membership. Editors do have the right to "edit" material, when necessary!

The time, effort and thought that you extend each month is greatly appreciated by RCMA. Without you, the working volunteer member, there would be no RCMA NEWSLETTER and probably no RCMA. Thank you for what you are doing!

CLOSING COMMENTS

We have reached the end of another year. It is "officially" index time. Most staff editors will be printing their yearly index in this issue. Keep this edition on hand, as it is a ready reference and the index offers an easy way to find past articles.

My sincere thanks to all who have helped the club grow this year! To all of the Editors who have labored long and hard to collect and write the articles... thank you. To each of you who has submitted material, offered help and comments... thank you. To each of you who took a few minutes and answered the 1986 General Survey... thank you. We will be making more changes in 1987, and although we won't reach perfection in the coming year, we will be better and work a bit harder and longer to make the NEWSLETTER better, more interesting and more valuable. We will need your support, your input and your contributions next year!

As the 1986 year comes to an end, I would like to wish everyone a very Merry Christmas, the happiest of holidays, and a Happy New Year!

AIRCRAFT

Send private, commerical, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

Darrel Charest, 1913F Oak Creek Lane, Bedford, TX 76022

Sorry we couldn't make the column for November, but it couldn't be helped because of illness in the family. And by now I trust all of you have recuperated from Thanksgiving and have provided Santa with some specific likes, i.e. make and model of the new scanner you would like for Christmas.

The December Newsletter indicates its time for an index of material for the past year. We'll try to make it brief and accurate.

January 86 — Partial frequency list for the following facilities:

- Oakland Center
- Cincinnati Airport
- Quad Cities Airports
- Indianaoplis Center
- Albuquerque Airport
- Bradley Field Airport

February 86 — Listings for Airports in New York and New Jersey and Eastern Airlines Communications

Landing charts for London/Heathrow/Gatwick and Manchester

March 86 — Partial frequency list for:

- Wisconsin Airports
- Norfolk Airport
- Norfolk NAS
- Hampton Roads Airport
- Patrick Henry Airport
- Oceana NAS
- Langley AFB
- Washington Center

April 86 — Partial frequency list for:

- Oakland Center
- Redding Airport
- Stockton Airport
- Washington D.C. Airports

Explanation of weather terminology and air/ground telephone service.

May 86 — Partial frequency lists for:

- Sacramento area airports
- Milwaukee area Airports
- Albuquerque Center Chart
- San Francisco Airport
- New York area

June 86 — Weather reports and forecasts and frequencies for:

- Honolulu Airport
- New Mexico Airports
- Albuquerque Center
- Florida Company freqs.

July 86 — Partial frequency lists for:

- Buffalo Airport
- Bangor Airport
- Minneapolis area Airports
- Boston Center
- Loring AFB
- Charts for ARINC

August 86 — Partial frequency list for:

- Upstate N.Y. Airports
- Chicago Center
- Florida Company freqs.
- Minneapolis Center

September 86 — Entire column devoted to information on ARINC Communications Addressing and Reporting System. (ACARS)

October 86 — Partial frequency lists for:

- Los Angeles Center
- Washington D.C. Airports

Information on the Civil Air Patrol and the use of Satellites for search and rescue.

November 86 No column

December 86 Partial frequency listing for:

St Louis Airports
Minneapolis Twin Cities Airport
Denver Airport

In the past when you've submitted frequencies and information for the Aviation Column, I've replied by postcard indicating when you could expect to see the material in print. Up to now, we have been true to our word but skipping the November Issue will change many of these dates. We still plan to use all the material you submitted; it will appear a little later than promised.

Before I forget, I want to thank all of you who have taken the time to write. Your response over the past year has been superb. There are still a great many parts of the country where the mail has been sparse. Let's hear from you during the coming year.

Now let's acknowledge as much mail as we have room for this month.

John P. Johnson wrote to ask for frequencies for the Minneapolis area. He also reported he had heard tones on 172.175mhz and had been advised this was used to control runway lighting. I advised John that if a control tower is in operation they control the runway lighting. If the tower is closed, then runway lights are usually left on. At other non-tower airports, it is often possible for the pilot to control the lighting by keying his microphone a specified number of times for the desired runway and approach lighting. The frequency used for a specific airport is shown in the FAA Airport Directory.

Cliff Polkinghorn, CA-AL 029, sent a card to report some details of an Air Show he enjoyed at Travis AFB. Part of the show was a demonstration by a French team called "Patroulle De France" and were found to be operating on 143.58mhz (AM). Preflight instructions for the group were conducted on an UHF channel.

Steve Bates, IA-056, forwarded a postcard with frequencies for Bloomington Tower and Chicago Center. My reply postcard was returned for lack of a complete address.

Gary Thomas, WI-078, wrote three or four times during the past month with loads of information on the Oshkosh Experimental Aircraft Association (EAA) air show. Surely this must be the biggest show in the U.S. Not only are there thousands of aircraft on display, but some of the best aerobatic pilots perform there during the annual show. If you are interested in aviation and can make Oshkosh I would highly recommend attending.

Todd Heiler, NY-338, forwarded a listing of frequencies for Buffalo and Niagra International airports. Todd included a number of other channels that he had monitored but could not identify. I was able to help him with some but not all these frequencies.

Daniel McNulty, provided us with an extensive list for the Minneapolis area which I had planned to use in the October Newsletter. Lack of space precluded use of the list, so we'll run it this month.

Dennis R. Biagioli, Federal/Military Editor, wrote once in August and again in September. Dennis was interested in ARINC channels for the Chicago area and provided an extensive UHF list of frequencies that he will use in his column during the next few months. He also included a pamphlet on SARSAT - Search and Rescue Satellite Aided Tracking. Since I already have one, anyone interested should send an SASE and I'll pass it along.

E. R. Flynn, advised he had his computer programmed to receive ACARS as a result of the help he received from Bill Tobin. Mr Flynn also provided a list of UHF channels for Oakland Center and Alameda Tower. He also mentioned that he is a subscriber to the U.S. IFR SUPPLEMENT published monthly at $4.50 per copy and may be ordered from: NOAA, NOS Distribution Branch, Riverdale, Md. 20737. This publication is geared to military

operations and most of the frequencies are in the UHF spectrum. It does include a number of VHF civil channels that are used in air traffic control.

Bill Tobin, NM-015, our weather expert who is also well versed in FAA Flight Service Operations sent an article on VFR flight following. Rather than condense it for this month, we'll hold it and print the entire article in January or February.

Carl J. Gerosa, III, sent along a confirmed list of frequencies he monitors in the New York area. Carl uses two Regency scanners for his listening - the HX-1200 and MX-7000.

Donn Edwards, NY-021, wrote for the 720 channel frequency listing. Although I sent this to Donn, I would guess they were not of much help since most of them are for the upper Mid-west area. I'm sure that in mentioning this in earlier columns I didn't make it clear that the 720 list was for that area and included many blank channels, perhaps 50 to 60 percent. As most of you know one radio channel may be used many times in different areas of the country. The FAA Frequency Management Staff tries to allocate these in such a manner that they will not cause interference. Usually but not always it works as designed. When interference is reported then one or both are changed to a different frequency. Sounds simple, but in reality is rather complicated.

Major Willard M. Hardman, DC-011, provided us with a 35 page computer list that he has developed over the years that includes airports and facilities for many different parts of the country. In my reply I told Bill we had enough information for 6 months of aviation columns. Beginning this month we'll try to run three or four pages until the program has been completed. As far as practical, we will try to list frequencies for areas that have received little attention in the past such as St. Louis, Denver etc. then complete the list for the remaining areas.

Bob Gehri, WA-007, mailed two copies each of the sector charts for Albuquerque ARTC Center. I advised Bob that we had used these in the past, although it has been more than a year, but we would publish them again for our readers. If any of you have copies of sector charts for any of the other ARTC Centers we would like to use them in the Newsletter.

Elmore Carter, CALA-648, asked for information on receivers that would provide access to the aircraft band. He was specifically interested in the Bearcat DX-1000. Elmore advises the DX-1000 covers 10 khz to 30 mhz. While this might provide coverage to trans-oceanic flights it does not include the primary 118.0-136.0mhz VHF aircraft band. My advice to Elmore was to consider the Regency HX-2000, MX-4000 or Z-45, all of which include VHF aircraft and can be had for less than $180.

AVIATION FREQUENCIES: MISSOURI
SAINT LOUIS

Lambert Field

The main runways used at Lambert are two parallels, 12-30. Lambert is a hub/base for Ozark and TWA.

Air Traffic Control

ATIS	120.45
Clearance Delivery	119.5
Gate Control/Pre-Taxi	124.9
Ground Control	121.65
Ground Control	121.9
Tower	118.5
Tower	120.05
Approach (N-E)	125.15
Approach (S-W)	126.5
Depart (S-W)	118.95
Depart (N-E)	119.15
Depart	119.75

Aircraft Operations

Air Midwest
(Ozark Midwest)
Flying Tiger
Midcoast Aviation
Ozark
TWA

AVIATION FREQUENCIES: COLORADO
DENVER AREA

Stapleton International

Air Traffic Control

ATIS (Arrival)	125.6
ATIS (Departure)	124.45
Clearance Delivery	127.6
Ground Control	121.9
Tower (E-W)	118.3
Tower (N-S)	119.5
Approach North	120.2
Approach North	120.5
Approach South	120.8
Depart	123.85
Depart	128.05

Aircraft Operations

American (Ground Agents)	460.8
Continental (Ground Agents)	460.85
Frontier (Ground Agents)	460.65
Rocky Mountain Air	
Trans-Colorado	
United	
????	460.675

Facility Operations

Airport Operations	155.085

N.B.: Runways include 26 L/R and 25 and 35 L/R (from ATIS).

AIRPORT COMMUNICATIONS

Minneapolis/St. Paul International (Wold-Chamberlain Field).

120.800	(ATIS) Automatic Terminal Information Service. Arrivels	
135.350	(ATIS) Automatic Terminal Information Service. Departures	
133.200	(CLNC DEL) Clearance Delivery	
121.900	Ground Control	Airport Fire (MAC)
348.600	Ground Control	154.205
126.700	Tower	
257.600	Tower	VOT
120.000	North or West Departures	111.000
124.700	South or East Departures	

Within 20 Nautical Miles From Airport		Vortac
121.200	Northeast Arrivels	115.700
125.000	Southwest Arrivels	
126.500	North/Northwest Arrivels	

Beyond 20 Nautical Miles From Airport		VOR
119.300	North or West Arrivels	122.100
126.950	South or East Arrivels	
335.500	Approach Control. Arrivels	

Flight Plans
122.200
122.300
122.550

109.300	ILS Runway 04. Localizer Callsign (I-APL)
109.900	ILS Runway 29 Right. Localizer Callsign (I-INN)
110.300	ILS/DME Runway 29 Left. Localizer Callsign (I-MSP)
110.300	ILS/DME Runway 11 Right. Localizer Callsign (I-HKZ)
110.500	ILS Runway 22. Localizer Callsign (I-SIJ)
115.300	(DME) Distance Measuring Equipment

Non-Directional Beacons

266 Khz	MS (Narco) LOM For ILS	Transcribed Weather From MSP FSS
338 Khz	AP (Vagey) LOM For ILS	

Anoka County Airport (Janes Field). Blaine

117.300 Vortac (GEP)
118.200 Tower (1500-2300Z Sat-Sun)
121.300 (CLNC DEL) Clearance Delivery
121.800 Ground Control
122.800 Unicom
122.950 Unicom

Crystal Airport

117.300 Vortac (GEP)
120.700 Tower (1300-0300Z)
120.700 (CTAF) Common Traffic Advisory Frequency
121.500 Emergency Frequency Not Available At Tower
121.600 Ground Control
122.950 Unicom
125.700 (ATIS) Automatic Terminal Information Service (1300-0300Z)

Flying Cloud Airport. Eden Prairie

109.700 ILS Runway 09 Right. Localizer Callsign (I-FCM)
110.100 ISMLS Runway 09 Right. Callsign (M-HNP)
111.800 (IAF) Initial Approach Fix. Callsign (FCM)
118.100 Tower (1300-0300Z)
118.100 (CTAF) Common Traffic Advisory Frequency
121.700 Ground Control
121.700 (CLNC DEL) Clearance Delivery (0400-1300Z)
122.950 Unicom
124.900 (ATIS) Automatic Terminal Information Service
125.200 Tower (1300-0300Z)

Gateway North Industrial Airport. Anoka City

117.300 VOR (GEP)
122.800 Unicom

Lake Elmo Airport

117.300 Vortac (GEP)
122.800 (CTAF/Unicom) Common Traffic Advisory Frequency

South St. Paul Airport (Fleming Field)

122.700 Unicom

St. Paul Downtown Airport (Holman Field)

41.500 Army Reserve
49.650 Army Guard
108.500 ISMLS Runway 30. Localizer Callsign (M-HOF)
111.500 ILS Runway 30. Localizer Callsign (I-STP)
117.300 Vortac
118.350 (ATIS) Automatic Terminal Information Service
119.100 Tower (1300-0400Z)
119.100 (CTAF) Common Traffic Advisory Frequency
121.200 Approach
121.700 Ground Control
121.700 (CTAF) Common Traffic Advisory Frequency
122.950 Unicom
254.300 Ground Control
257.800 Tower (1300-0400Z)
257.800 (CTAF) Common Traffic Advisory Frequency
400 Khz ST (Bondy) Non-Directional Beacon (LOM)

AMATEUR RADIO COMMUNICATIONS

This column is for reporting on amateur radio activities that may be of interest to scanner listeners. Send reports and questions concerning repeater nets, civil emergency systems, packet ratio, amateur TV, etc., to:

Terry Stader, MI-062, 8 Christopher Road, Westford, MA 01886

Greetings..... Happy Holidays to One and All. I have to assume by now that most of us in the North have seen snow by now. Many of you have probably discovered also by now that the local 2 meter repeaters can provide a wealth of information about your local roads. If you haven't found out.... tune in.

On another note this also is the last issue of this year. So by the request of all of you readers out there, you have indicated you would like an index of the past year. Most of the past year has been going over the basics about Amateur Radio. I have when I have gotten it provided some meaty information, ie frequencies. I have received this past month received some frequencies from some of our readers and if there is room after the index session, I'll print them. Otherwise I have been requested to help keep this issue under 100 pages! So here goes:

1986 INDEX
RCMA Amatuer Radio Columns
Index by Date- Listing of Subjects covered:

March 1986- Introduction to Amateur Radio, Amateur Bands(160 meters through 23 centimeters), New England 220 Network.

April 1986- Classes of Licenses, WWV and CHU, Band Plan(160 meters through 10 meters)

May 1986- Communications Privacy Act of 1985, 902-928MHZ/23 cm Band Plan in California.

June 1986- Emergerncy Services; Operation SKYWARN, ARES, RACES, Mt. Tom, Holyoke, MA repeater uses, AutoPatch uses, New York 2 meter repeater frequencies.

July 1986- Emergency/Traffic Nets in Texas, Sacremento and Bay Area 2 meter and 440Mhz frequencies, NY and NJ freqs.

August 1986- Detroit/Southeastern Michigan repeaters, Fresno and Sacremento frequencies, What are all those intials, ie CW, FSK and FAX etc.

Sept. 1986- No input, No column!

Oct. 1986- Another slow month!

Nov. 1986- JAS-1 satellite, CT Area One Civil Prepardness Communications Plan.

Dec. 1986- 1986 Index

1986 Index
RCMA Amateur Radio Columns
Index by Subject- Month covered

Abbreviations- August 1986

Amateur Radio Bands, 160 meter through 23 centimeters- March 1986

Amateur Radio, Introduction to- March 1986

AutoPatch Frequencies- June 1986

Band Plans(low band) 160-10 meters- April 1986

California, 902-928Mhz Band Plan- May 1986

Communications Privacy Act of 1985- May 1986

Connecticut Emergency Prepardness Area One Comm Plan - November 1986

Detroit/Southeastern Michigan frequencies- August 1986

Emergency Services, OPERATION SKYWARN, RACES, ARES- June 1986

Licenses, classes of- April 1986

JAS-1 satellite- November 1986

Mt. Tom, Holyoke, MA- June 1986

New England 220Mhz Network- March 1986

New York frequencies- June 1986
New York and New Jersey frequencies- July 1986

Sacremento and Bay Area frequencies- July 1986
Sacremento and Fresno frequencies- August 1986

Texas Emergency/Traffic Nets- July 1986

WWV and CHU- April 1986

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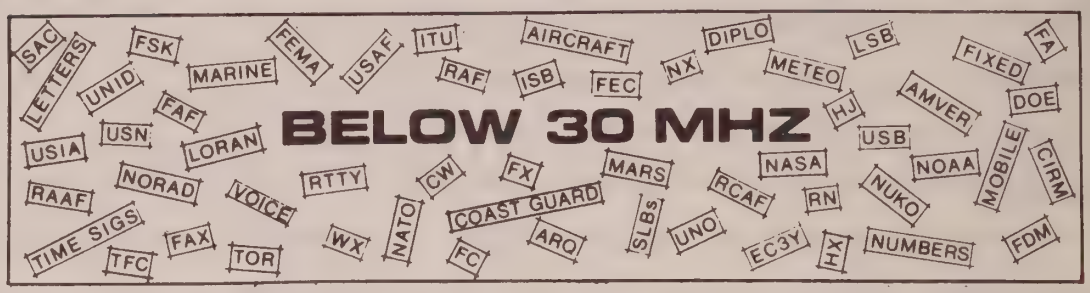

This column is for HF AM, CW, SSB, RTTY and FAX reception reports, note, articles, and questions related to HF utilities. Services covered in this column include aeronautical, coastal/marine, weather, government, military and 'spy' stations — essentially everything except broadcasting, CB and amateur radio.

Send reports to: Geoff Halligey, 85 Southwood Road, Cottingham, England, HU16 5AJ.

TWO YEAR INDEX

1. BY ISSUE DATE

1985

Jar
- Lightning Strikes
- Channel Markers (SLBs)

Feb
- R. Shack DX400 rx
- Numbers & Letters
- Canadian Military
- HF En Route Aircraft Chart

Mar
- OTH Radar
- Channel Markers
- United Nations
- Air- & Seaborne Phone-ins
- Ascension Is.
- Diego Garcia
- Volmets - Argentina

Apr
- T.I.S.
- Cordless Phones
- Piccolo
- Numbers & Letters
- Logs

May
- Radio Shack DX400 rx
- Uniden CR2021 rx
- Antarctica
- Channel Markers
- Rogaland Radio, Norway
- Cordless Phones
- Volmets - Russia
- Logs

Jun
- Cordless Phones
- HF Conditions
- German 'Sports' Stations
- Panasonic RF3100L (DR31) rx
- Panasonic RF B-600 rx
- Channel Markers
- New Coast Station - WKM

Jul
- FAX News
- Numbers & Letters
- Smugglers
- Yaesu FRG8000 rx
- T.I.S.
- Sub-carrier txs
- NAVTEX
- Airborne Phone-in
- Channel Markers
- Volmets - Civil
- Logs

Aug
- OTH Radar
- ADXR List of Limited Coast Stations
- Yaesu FRG8000 rx
- HF Ship-shore Communications
- Abbreviations
- Channel Markers
- Numbers & Letters
- Logs
- New Coast Station - WKM

Sep
- Channel Marker Breakthru
- Channel Markers
- Logs
- Numbers & Letters
- Russian Hystericals

Oct
- Air India Crash
- Wx bcasts - Canada
- Channel Markers
- Wx bcasts - C. & S. America
- Numbers & Letters
- Logs
- Reception Conditions

Nov
- 'U.S. Military Radio Comms'
- Atlantic Challenger Rescue
- Ice Reconnaissance Aircraft
- Numbers & Letters
- Lahr Military
- Logs
- OTH Radar
- Radio Shack DX400 rx
- Yaesu FRG 8000 rx
- New Coast Station - HPP

Dec
- No column

1986

Jan Shanwick
AIRINC

Feb Russian Jamming
Carrier Clusters
Numbers & Letters
Channel Markers
Diplo xmissions - Australia
Logs

Mar INMARSAT
Frequency Reporting
Channel Markers
Carrier Clusters
Odd Morse (The Spy)
Logs
Signor Marconi

Apr INMARSAT
The Spy
'The Secret War'
Channel Markers
RTTY
OTH - Australia
Logs

May Portishead R. Aero Service
The Spy
NAVTEX
Numbers & Letters
Channel Markers
JASREP
Logs

Jun Russian Jamming
Ocean Wx Stations
Portishead R. Aero Service
Freq. Multiplexers
Channel Markers
Numbers & Letters
The Spy
USIA
Logs

Jul The Spy
USIA Wireless File
Morse Code
Channel Markers
Numbers & Letters

Aug No column

Sep The Spy
'RTTY Handbook'
POCOM RTTY decoders
Croughton Euro. Comms. Center
Numbers & Letters
Logs

Oct The Spy
'Guide to World Teletype RTTY Stations'
Log

Nov The Spy
US Coast Stations - Closures
Logs

Dec The Spy
Russian CW Aero Comms

2. 1985/6 SUBJECT INDEX

Abbreviations Aug 85
Accidents & Disasters Oct & Nov 85
Aero Communications Mar & Jul 85, Dec 86
AIRINC Jan 86
Antarctica May 85
Ascension Is Mar 85

Book Reviews Aug & Nov 85, Apr, Sep & Oct 86

Canadian Military Feb 86
Carrier Clusters Feb & Mar 86
Channel Markers (SLBs) Jan thru Oct 85, Feb thru Jul 86
Coast Stations May, Jun, Aug & Nov 85, Nov 86
Cordless Phones Apr, May, Jun & Aug 85
Croughton E.C.C. Jun 86
Diego Garcia Mar 85
Diplo txs- Australia Feb 86

FAX News Jul 85
Freq. Multiplexers Jun 86
Freq. Reporting Mar 86

German 'Sports' Stations Jun 85

HF Reception Condix Jun & Oct 85

Ice Reconnaissance a/c Jul & Nov 85
INMARSAT Mar & Apr 86

JASREP May 86

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Marconi, Sr. Mar 86
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Numbers & Letters Feb, Apr, Jul thru Nov 85, Feb, May, Jun, Jul & Sep 86

Ocean Weather Stations Jun 86
Odd Morse (The Spy) Mar 86
OTH Radar Mar, Aug & Nov 85; Apr 86

Piccolo Apr 85
Portishead R. Aero Service May & Jun 86

Receiver Reviews Feb, May, Jun, Jul Aug & Nov 85
RTTY Apr & Sep 86
Russian Hystericals Sep 85
Russian Jamming Feb & Jun 86

Shanwick Jan 86
Smugglers Jul 85
Spy, The, Mar thru Dec 86
Sub-carrier transmissions Jul 85

Travellers' Information Service (T.I.S.) Apr & Jul 85

United Nations Mar 85
USIA's Wireless File Jun & Jul 86

VOLMETS Mar, Apr, May, Jul & Oct 85

THE SPY

The replying station seems now to have settled down on 11,128.0 kHz, as 11132.0 was being severely jammed by the powerful Russian station RMP, Rostov-on-Don, on the latter frequency.

It would seem that the 11128 station might be in a French speaking country - Syria ? - since the control sent, on Aug 30:

FOR QTR 11r45 WRK ICI MINUS 4 UR WRK QSY 42 MINUS 2 ALL

Its just that one word of French amongst his fractured English that gives a clue; also the Middle East countries generally are now 4 hours ahead of UTC, which accounts for the 1145. '42' could be a stud so marked on his tx.

So its now 11510/11128 at 0745 UTC, but this time is expected to change at the end of October to 0845 UTC (when Summer Time ends).

RUSSIAN CW AERO COMMUNICATIONS

There is an interesting Russian CW net on 8816 kHz, with ground stations UGN and ROR (rarely) working aircraft designated by their 'tail numbers' - a five figure group. This net is heard throughout the day here - say from 0900 to 1700 UTC and is fairly busy. Standard aero Q-codes are in use - a typical message would be:

QTO 1052 QRD 840 777 QBG 6300 QRE 1555

This interprets as 'I was airborne 1052: I am bound to 840 from 777; I am flying above cloud at 6300 metres; My ETA is 1555.

Only the airports are coded ('840', '777'), but they are 5 hours flying time apart. Altitude 6300 m would be 20,000 feet, or flight level two zero. No clues as to UGN or ROR: sometimes the a/c call both stations together, but UGN is the busiest.

It is understood that aircraft buffs can identify Soviet types by their 'tail numbers' - 12782 and 27106 were a couple. Also have just heard the ground station RCB working a/c on this frequency.

Happy Christmas and a profitable New Year.

Geoff

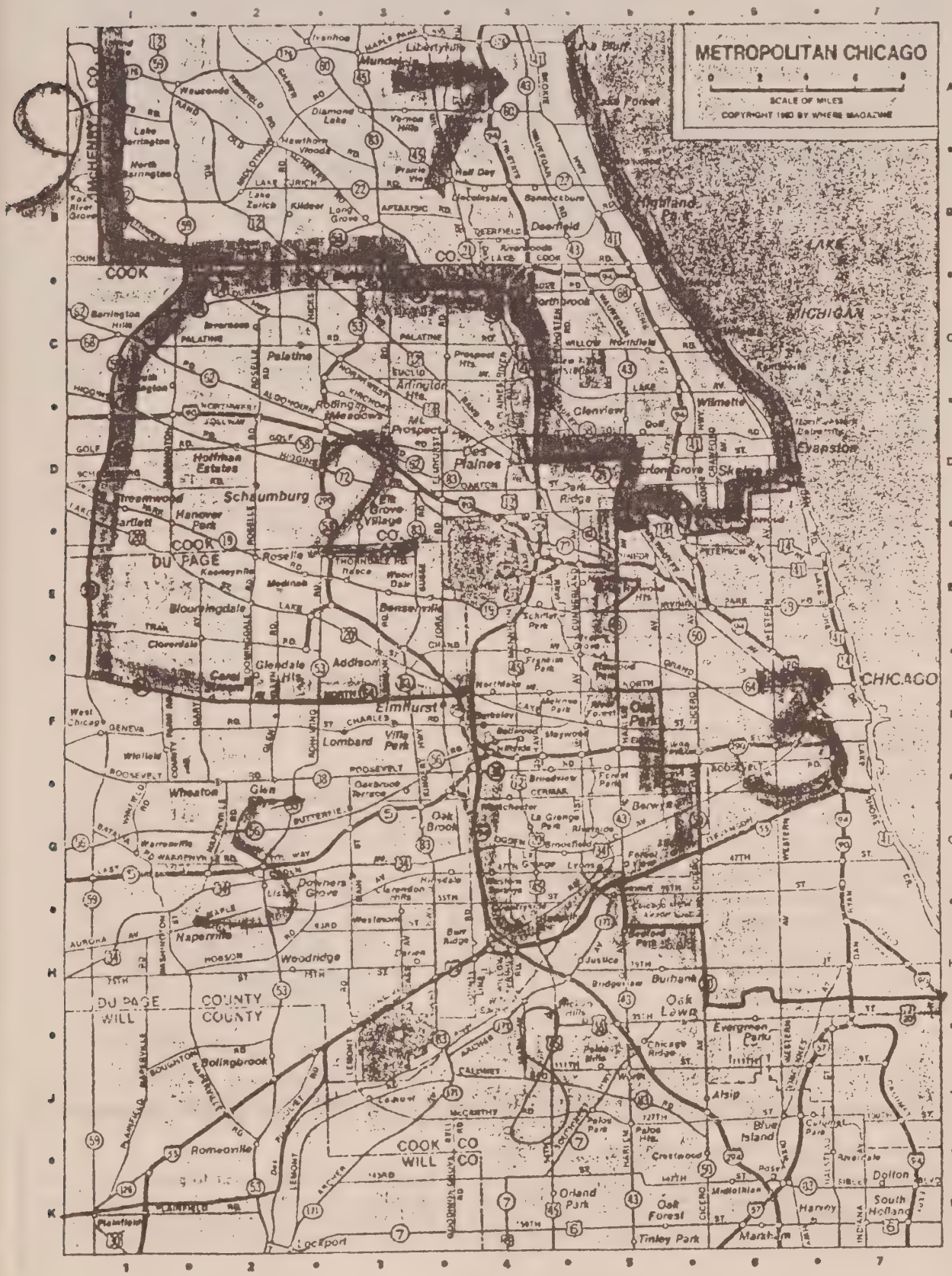
BUSINESS, ETC.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.) General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Send Business monitoring information East of the Mississippi to:
Brandt Niemuth, P.O. Box 541, Rosemont, IL 60016

In view of the flooded Des Plaines River in the NE Illinois during the later part of September and early part of October, with the help of Jeff McKnight (IL-064), this month's column is devoted to the Salvation Army Canteen Service. Call sign: KBO 927, with all operations on: F-1 461.5 (Repeater)
F-2 461.5 (Simplex)

In the week following Sept 27, 1986, there have been as many as 5 out of the full consist of 6 canteens out on flood related assignments. The Public Safety Band has been quite active, and at the time of this writing the National Guard also had been placed on the "Alert." Needless to say that this author has not been paying to much attention to his "favorite" band.



Canteen 1- Chicago Engine 22 (Chicago Reserve Canteen)

Canteen 2- Chicago Engine 11 (Northwest/West Suburbs and Northwest Chicago)

Canteen 3- Chicago Engine 14 (Chicago Primary Canteen)

Canteen 5- Lisle/Woodridge FPD (South Dupage, North Will, Western Cook)

Canteen 7- Highland Park (North Cook, Lake County)

Canteen 8- Chicago Engine 120 (South Cook, South Will, South Chicago, Lake Cty IN.)

Canteen 9- Antioch (Mchenry, Lake County)

Supply Van/Squad 1 Chicago Engine 14

Unit 400- Metro Chief Ken Falk

Unit 401- First Deputy Chief/Suburban Coordinator Harry Ignowski

Unit 402- Second Deputy Chief/Communications Chris Stach

Unit 403- Second Deputy Chief/Supplies Bob Deibler

Unit 404- Second Deputy Chief/Records Ron Stagg

Unit 405- Captain/Supply Officer Judd Kelsey

Unit 406- Captain Art Belke

Unit 407 Lieutenant Ken Mettler/Schedule

Unit 408 Open

Unit 409 Lieutenant Harold Irving/Supply assistant

Unit 410S Larry Shriner

SA1 Salvation Army Disaster Service Director, Major Roy Tompkins

All Suburban Units i.e. Canteens 2, 5, 7, 8, 9, End numbers 00 denotes chief, 01 denotes Asst. Chief

Special Units: 899-Will County Sheriff's Police Communications Van Unit 702
999-American Red Cross Emergency Communications Van
430-Cook County Sheriff's Police Liason: Chief Dibble

Send Business monitoring information West of the Mississippi to:
Cliff Polkinghorn, 14310 Acacia St., San Leandro, CA 94579

NO COLUMN THIS MONTH

COMMUNICATIONS PROFILE

Joe M. Lewis, 750 Scotland St., Dunedin, FL 33528

This column is for special projects that explain various systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible. If you are inclined to submit a report as the one below appears, please follow No. 8 in the inside front cover of the Newsletter.

NO COLUMN THIS MONTH

Regency "Scanner Answer" Giveaway

Here's your chance to win a complete monitoring package from Regency Electronics and Lunar Antennas. 18 scanners in all will be awarded, including a grand prize of the set-up you see above: the Regency HX1500 handheld, the Z60 base station scanner, the R806 mobile unit, and a Lunar GDX-4 Broadband monitoring/ reference antenna.

55 Channels to go!

When you're on the go, and you need to stay tuned into the action, take along the Regency HX1500. It's got 55 channels, 4 independent scan banks, a top mounted auxilliary scan control, liquid crystal display, rugged die-cast aluminum chassis, covers ten public service bands including aircraft, and, it's keyboard programmable.

Compact Mobile

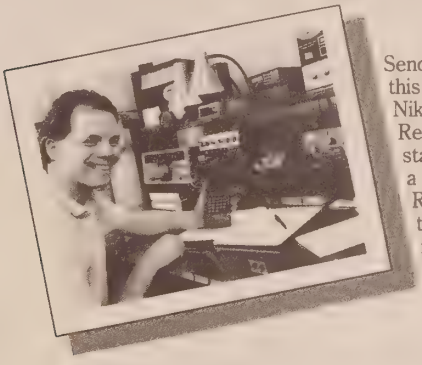
With today's smaller cars and limited installation space in mind, Regency has developed a new compact mobile scanner, the R806. It's the world's first microprocessor controlled crystal scanner. In addition, the R806 features 8 channels, programmable priority, dual scan speed, and bright LED channel indicators.

Base Station Plus!

Besides covering all the standard public service bands, the Regency Z60 scanner receives FM broadcast, aircraft transmissions, and has a built-in digital quartz clock with an alarm. Other Z60 features include 60 channels, keyboard programming, priority control, digital display and permanent memory.

Lunar Antenna

Also included in the grand prize is a broadband monitoring/reference antenna from Lunar Electronics. The GDX-4 covers 25 to 1300 MHz, and includes a 6 foot tower.



Send in a photo (like this one of Mike Nikolich and his Regency monitoring station) and receive a free gift from Regency. Be sure to include your name, address and phone number.

Regency® ELECTRONICS INC.
7707 Records Street
Indianapolis, IN 46226

Grand Prize (1 awarded)
1—Regency Z60 Base station scanner
1—Regency HX1500 Handheld scanner
1—Regency R806 Mobile scanner
1—Lunar GDX-4 Antenna

First Prize (5 awarded)
1—Regency Z60 Base station scanner
1—Regency R806 Mobile scanner

Second Prize (5 awarded)
1—Regency HX1500 scanner

Contest rules: Just answer the questions on the coupon, (all answers are in the ad copy) fill in your name and address and send the coupon to Regency Electronics, Inc., 7707 Records Street, Indianapolis, IN 46226. Winners will be selected from all correct entries. One entry per person. No purchase necessary. Void where prohibited by law. Contest ends June 30, 1987.

1. The Regency Z60 is
   ☐ a digital alarm clock ☐ an FM radio
   ☐ a scanner ☐ all of the above
2. The Regency R806 is the world's first _____ controlled crystal scanner.
3. The Regency HX1500 features
   ☐ 55 channels ☐ Bank scanning
   ☐ Liquid crystal display ☐ all of the above
4. The Lunar GDX-4 antenna covers ____ to ____ MHz.

Name: _____

Address: _____

City: _____ State: _____ Zipcode: _____

I currently own _____ scanners.

Brands owned: _____

PAID ADVERTISING

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:

Rob Berezowski, 310-4045 Rae St, Regina, Saskatchewan, Canada S4S 6Y8

RCMA CANADA COLUMN 1986 INDEX

FREQUENCIES, CODES & INFORMATION

ALBERTA

Bowden	Mar 86
Calgary	Mar 86
Drumheller	Mar 86
Edmonton	Mar 86
Fort Saskatchewan	Mar 86
Grand Cache	Mar 86
Lethbridge	Mar 86
Peace River	Mar 86
RCMP (Alberta)	Mar 86
St Paul	Mar 86

BRITISH COLUMBIA

Abbotsford	May 86
BC Corrections(Prisons)	May 86
BC Emergency Health Svcs	Apr 86 May 86
BC Ferry Corp	May 86
BC Fire Marshall	May 86
BC Fish & Wildlife	May 86
BC Forest Service	Apr 86 May 86
BC Highways	May 86
BC Hydro	May 86 Jul 86
BC Parks Branch	May 86
BC Sheriff Service	May 86
BC Transit Skytrain (ALRT)	Apr 86
Burnaby	May 86
Canada Corrections(Prisons)	May 86
Canada Fisheries (BC)	Jul 86
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Mission	May 86
New Westminster	May 86
North Vancouver	May 86
Pitt Meadows	May 86
Port Moody	May 86 Jul 86
Richmond	May 86
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Saltspring Island	Apr 86
Surrey	May 86 Oct 86
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Victoria	Oct 86
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White Rock	May 86

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Aylmer	Nov 86
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Woodstock	Nov 86

QUEBEC

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Boucherville	Mar 86
Brossard	Mar 86 Jun 86
Lac Megantic	Jun 86

CANADA continued

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Montreal	Mar 86	Jun 86
Quebec Prov Police	Mar 86	
St Bruno	Mar 86	
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Varennes	Mar 86	

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Regina	Sep 86
Sask Highways	Sep 86
Sask Parks & Renewable Res	Sep 86
Sask Power	Sep 86
SaskTel	Sep 86
Trans-Canada Pipelines	Sep 86

NEW RADIO SYSTEM INFORMATION

Alberta RCMP radio system expansion			Mar 86
Calgary Police Service CADS/MDT system			Mar 86
Cellular Systems: Bell Canada 800 MHz system			Jun 86
Calgary NovaTel 800 MHz system			Mar 86
Cantel 800 MHz system		Mar 86	Jun 86
General description 800 MHz systems			Jun 86
Edmonton Co-Op Cabs MDT system			Mar 86
DOC Frequency Allocation Band Plans: 400 MHz			Jul 86
800 MHz			Jun 86
Mississauga Regional Ambulance CADS (Ont Min of Health)		Feb 86	Nov 86
MSAT Mobile Satellite System	Jan 86	Jun 86	Nov 86
National Systems freq allocations 400 MHz			Jul 86
800 MHz			Jun 86
Ont Min of Health - London Region Central Ambulance Dispatch			Jan 86
Ont Prov Police (OPP) new VHF radio network		Oct 86	Nov 86
Ont RCMP new radio system (and digital scramblers)			Nov 86
Saskatchewan RCMP radio system expansion			Mar 86
SATCOM terminals (Dept of National Defence)			Jan 86
Toronto Police CADS/Mobile Data Terminal(MDT) System		Feb 86	Jun 86
Toronto Transit Commission (TTC) TRUMP system			Jan 86
Trunked Systems: General descriptions 400 MHz systems			Jul 86
800 MHz systems			Jun 86
Motorola 800 MHz Privacy Plus			Mar 86
Vancouver Yellow Cab MDT system			Apr 86
Windsor Fire Dept Computer Aided Dispatch System			Feb 86

MISC MATERIAL

Expo 86 information	Apr 86	Jul 86	Nov 86
Monitoring Laws in Canada (comments by Toronto Police Chief)			Nov 86
Ont Min of Health Paramedic program Toronto & Hamilton			Nov 86
PRO-30 BNC adaptor tip			Mar 86
Publications: Canadian Airspace Systems Plan (MOT)			Jan 86
Canadian Fire Frequencies (Ont OFBA)			Jan 86
Radio Communications Report			Mar 86
Radio Licence Statistics (DOC)			Jan 86

RCMA CANADA COLUMN 1986 INDEX

JANUARY 1986

DND SATCOM system purchase; info on MOT publication; DOC radio licence statistics; MSAT information; Timmins, Ont. freq list; Timmins Police 10 Code; Ont Min of Health codes; information on Ont Min of Health London Central Ambulance Dispatch; info on OFBA publication; Toronto Transit TRUMP system info.

FEBRUARY 1986

Windsor Fire Dept CADS system; Mississauga Regional Ambulance CADS; Metro Toronto and Region frequency list; Metro Toronto Police mobile frequencies; info on Metro Toronto Police CADS/MDT system.

MARCH 1986

Member survey freq lists for London, Borden, Toronto, Montreal; info on Calgary Police CADS/MDT; frequency information for Edmonton, Alta RCMP codes; federal prison freq info (Alta); info on new RCMP radio systems for Alberta and Saskatchewan; info on new Calgary 800 MHz cellular system; info on 800 MHz Cantel system; Edmonton freq info, and feature article on West Edmonton Mall; tip for using PRO-30.

APRIL 1986

Expo 86 info and frequencies, including info on BC Place Stadium, BC Transit Skytrain (ALRT), Vancouver Police & Fire Depts, BC Emergency Health Services, Expo 86 Marine frequencies, Vancouver region news media, BC Forest service info, and Yellow Cab (Vancouver) MDT system; Delta, BC Fire Dept info.

MAY 1986

Update on Expo 86; BC Emergency Health Services codes & units; BC Lower Mainland RCMP & Police frequencies; BC Interior RCMP; BC RCMP and Police 10 code list; BC Sheriff, BC Corrections and Federal prison info; BC Lower Mainland Fire Depts; BC Parks info, BC Forests, BC Fish & Wildlife; BC Highways; BC Hydro.

JUNE 1986

Montreal region freq list; Metro Toronto Police MDT system info; Windsor freq info; 800 MHz frequency allocation band plan, with discussions of trunked, national, cellular, and mobile satellite 800 MHz systems; London 800 MHz cellular phone freq.

JULY 1986

Expo 86 freq info and discussion; BC and Vancouver region info & updates; DOC 400 MHz frequency band allocations.

AUGUST 1986

Frequency list for Belleville, Brockville and Kingston, Ontario region.

SEPTEMBER 1986

Frequency list for Regina, Saskatchewan region (including Sask provincial services).

OCTOBER 1986

Expo 86 freq info update, Vancouver area updates; Ont Prov Police (OPP) VHF radio network update and new system description; Kitchener, Ont. freq list.

NOVEMBER 1986

Expo 86 freq update and info; Metro Toronto freq update and corrections, with info on Toronto Paramedic service; brief update of new OPP radio system; article on paramedic programs for Toronto and Hamilton; article on Metro Toronto Police Chief's comments about monitoring laws; article on FCC decision regarding Mobile Satellite (MSAT), and discussion of current proposals; info on new RCMP radio system for Ottawa and Ontario; freq list for various police forces in Ontario.

DECEMBER 1986

1986 Canada Column Annual Index.

Seasons Greetings and the best in the New Year to you all.

contact info wanted

This column has two purposes: to help members *contact* each other, and to help members obtain *information* directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interest, *this* is the perfect place for you to make known your interests. Remember — those who respond will do directly, so be sure to provide your phone number, the best time to be called, or your address. Write to:

Scott Mattson, 2820 Bridge Ave., Point Pleasant, NJ 08742

INFO WANTED: I would like a list of frequencies used by the different troops of the New York State Police. I have frequencies for troops E, K, F, and D, however, I do not have confirmed frequencies for troops A,B,C,G, and L. Also, I own a Radio Shack PRO-2003 that gets great reception everywhere but in my apartment. I cannot erect an outside antenna and a back-of-the-set antenna has proved worthless. Does anyone have any suggestions?
JOSEPH NOONEY (NY-354) RD 3-Box 69, Sleepy Hollow Apts. # 1, Catskill NY 12414

INFO WANTED: This member wants frequencies in use in and around these Alabama cities; Huntsville, Gadsden, Anniston, Dothan, and Mobile.
DAVID BECK (AL-001) 422 Laurie Drive, Birmingham, AL 35214

CONTACT WANTED: I wish to exchange information (frequency, equipment, etc.) in the state of Arkansas. I would also like to start a club.
TRACY RIDENOURE (AR-019) Rt. 2-Box 90, Alma, AR 72921

CONTACT WANTED: These members would like to contact Tidewater and Southeastern Virginia members with the idea of establishing an RCMA chapter, exchanging frequency lists and developing a complete Southeastern Virginia radio guide.
LYNN BURKE (VA-014) 285 Westwind Dr., Newport News, VA 23602 (804) 877-4969 Monday & Tuesday nites and JOHN McCOLMAN, 32 Whitaker Ave., Hampton, VA 23664

INFO WANTED: I would like detailed information for Pittsburgh police; beats, codes, etc. Also Pittsburgh fire, animal control, etc. and cassette tapes of Pittsburgh area police and fire. Also frequencies for Harbour Island, Florida and Tampa.
JOE M. LEWIS (MD-015) 750 Scotland St., Dunedin, FL 33528

FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

The Private Operational-Fixed Microwave Service

Actually what I'll do in this article is describe all the bands available for Fixed use, not just those available in the Part 94 Private Operational-Fixed Microwave Service. Microwave, by the way, is a relative term. In Part 94 it's described as those frequencies between 928-929 and above 952 mHz. In Part 21 (Public Fixed services), it's those frequencies above 890 mHz. In any case, what with equipment out now that will receive some of these bands, I thought I'd include them in a description of all the bands available for Fixed use.

Fixed use is quite simply communication between specified fixed points. The most common example would be control links to and from remote transceiver sites, various types of telemetry links (those used by petroleum and power companies, for example) and point-to-point microwave systems. Don't confuse Private point-to-point systems with Public (telephone company) systems and lump them all under the category of "microwave". Private Fixed systems are just that, systems operated by

private entities, including governmental and public safety agencies. Los Angeles county, for example, has an extensive microwave system incorporating dedicated circuits, a telephone system and control circuits for their radio system. Many large companies also operate their own systems, the ones immediately coming to mind being those owned by many railroads. Most of these would be "long-haul" systems (over 250 miles). Some businesses will use a short-haul, single hop system to link two offices. In addition, an amendment last year allows licensees of these systems to lease excess capacity on their links, but only to other entities eligible for licensing in this service. They can't offer this service to the public at large, as a common carrier would.

Anyway, back to the subject at hand. In frequency order, the first band available is at 72 mHz. Channels in this band begin at 72.02 mHz and proceed in .02 mHz steps though 72.42, then in .04 mHz steps through 72.62, then in .02 mHz steps through 72.98. Another group runs from 75.42 through 75.98 in .02 mHz steps. Users of these channels are not allowed to cause interference to TV channels 4 or 5. Therefore use will be limited in areas where these TV channels are in use. Most use of this band nowdays seems to by one-way links to paging transmitters, mainly the proliferation of low-band operations since the allocation of the additional low band channels a few years ago.

In the VHF hi band there are a number of frequencies available for telemetry links. The following frequencies are available in the Local Government and most of the Industrial radio services. Note that the 173 mHz channels fall between regular voice channels. These channels have bandwidth, power, antenna and geographic restrictions on their use.

154.45625	154.46375	154.47125	154.47875	173.20375
173.210	173.2375	173.2875	173.3125	173.3375
173.390	173.39625			

The following channels are available in the Business, Forest Products, Petroleum, Power, Railroad and Special Industrial Radio services and are limited to the transmission of hydrological or meteorological data only. The data must be made available to Government agencies upon request. Most systems on these channels consist of Corps of Engineer or National Weather Service systems, shared with private utilities.

169.425	170.225	171.025	171.825	406.125	412.625
169.450	170.250	171.050	171.850	406.175	412.675
169.475	170.275	171.075	171.875	409.675	412.725
169.500	170.300	171.100	171.900	409.725	412.775
169.525	170.325	171.125	171.925		

Additional channels are available for telemetry in the 216-220 mHz band, on a secondary basis to U.S. Government use. Channels used to be available in VHF hi band for Fixed use in the Public Safety and Special Emergency Radio services, but such use is now only allowed on a temporary basis, for up to one year.

At UHF, a bunch of channels are shared between services for Fixed use.The Public Safety services are allowed use of the Industrial Radio Services frequencies 451.025-453.0, 456.025-458.0, 462.2-462.525 and 467.2-467.525 mHz. The Industrial services (except Business) may use the Land Transportation and Public Safety frequencies from roughly 452.05 through 453.975, 457.05-458.975, 460.025-460.625, 465.025-465.625. And the Land Transportation services are allowed Fixed use of the Industrial and Public Safety frequencies from 451.025-452.175, 452.975-453.975, 456.025-457.175, 457.975-458.975, 460.025-460.625, 462.2-462.525, 465.025-465.625 and 467.2 to 467.525 mHz. In the Public radio services, the UHF frequencies from 454.025 through 454.65 (and 459.025 through 459.65) may be used for Fixed service by common carriers. These are usually links to 152 mHz transceivers.

The trouble is that these channels can't be used in these services in urban areas. They are only available at least 85 miles from the centers of urban areas of 600,000 or more (65 miles with power less than 20 watts). And even then use is on a secondary basis to mobile use.

So all this isn't much help to users in urban areas. The only alternative is increasingly costly telephone lines or more expensive microwave links. Or at least it was, until the FCC allowed the use of 12.5 kHz offset channels in the UHF band. Although stations are licensed as mobiles, they may also function as base or fixed stations. And although the maximum power permitted is two watts, there is no limit to the Effective

Radiated Power. So high gain antenna may be used (and in fact, directional antennas must be used for Fixed stations in most cases). So an ever increasing number of licensees are using these 12.5 kHz offsets for up and down links to their transceiver sites. Watch for them, although specific ones may be hard to hear, what with the relatively low power and directional antennas. When searching, don't get them confused with legitimate low power systems, which seem to concentrate near industrial complexes, shopping malls and airports. In either case, if you look them up in the Transmitter State Index fiche, look at the front of the state listing, those with no city listed, since they are all licensed as mobiles.

At 900 mHz the bands from 932-935, paired with 941-944, were allocated a year and a half ago for fixed use on a shared basis with the U.S. Government. No assignments have been made in these bands yet, pending the resolution of a further proceeding to determine this sharing arrangement.

Also at 900 mHz, the channels 928.0125 through 928.3375 (in .025 mHz steps) are paired with the frequencies 952.0125 through 952.3375 and are available to any user eligible under Part 94 for multiple address master and remote stations. Another group of unpaired channels run from 956.2625 through 956.4375. The channels from 928.3625 through 928.8375 for remotes are paired with the "master" channels from 952.3625 through 952.8375 for eligibles in the Power Radio Service, again, for multiple address systems. Another bunch of 25 kHz-wide channels are available to common carriers for multiple address of paging transmitters ("multiple" meaning at least four sites). These are 928.8625 through 928.9875 and 959.8625 through 959.9875.

For all users eligible under Part 94, 25 channel pairs are available for bandwidths of up to 50 kHz. The channels are paired as follows:

953.05/956.65	953.65/957.25	954.25/957.85	954.95/958.55	955.65/959.25
953.15/956.75	953.75/957.35	954.45/958.05	955.05/958.65	955.75/959.35
953.25/956.85	953.85/957.45	954.55/958.15	955.25/958.75	955.85/959.45
953.35/956.95	954.05/957.65	954.65/958.25	955.35/958.95	955.95/959.55
953.45/957.05	954.15/957.75	954.85/958.45	955.45/959.05	956.05/959.65

Another 32 channel pairs are available for bandwidths up to 100 kHz. These channels run from 953.0 through 956.1 in 100 kHz steps, paired with frequencies from 956.6 through 959.7 mHz. For 200 kHz bandwidths, there's six channel pairs, 953.55, 953.95, 954.35, 954.75, 955.15 and 955.55, paired with 957.15, 957.55, 957.95, 958.35, 958.75 and 959.15, respectively. The wider-bandwidth channels overlap the others, so obviously they can't both be used, at least not in the same area, or the same path direction.

Many public safety agencies are among the users of the 900 mHz Fixed frequencies. The band is ideal for low density users, those requiring only one or two (or up to half a dozen) channels in each direction. The single channel per carrier systems are easy to monitor, although you'll have to remember that they'll probably be keyed all the time. The more exotic multiplexing techniques will limit your ability to monitor them. (Any type of emission may be used on these frequencies.) For those with the capability, there are additional channels at 1.8 gHz. These are 1860 through 1900 in 10 mHz steps, paired with 1940-1980, for bandwidths up to 5 mHz. Six 10 mHz wide channels are from 1855 through 1905 (in 10 mHz steps), paired with 1935 through 1985 mHz. Two unpaired channels, for one-way use, are 1915 and 1925 mHz. There is more spectrum available at 2.1, 2.4, 6.5 and on up. I'm assuming, that not many of us have the capability to receive them, so I'll just stop right here for this month.

P.S.: Since I didn't get the information in time on the new 800 mHz allocations I mentioned last month, I obviously couldn't cover them this month. I guess you can look forward to that next month.

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 X 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 4354 Coolidge Avenue, Los Angeles, CA 90066

NO COLUMN THIS MONTH

RCMA BUSINESS REPORT

RCMA 3RD QUARTER FINANCIAL REPORT - 1986

	July	August	September	3rd Quarter
Mail Prep & Computer Updating	286.03	334.38	416.16	1,036.57
Newsletter Production & Printing	1,392.25	240.00	3,216.51	4,848.76
Postage:				
Bulk (3rd Class)	235.00	225.00	230.00	690.00
1st Class	225.00	100.00	100.00	425.00
Back Issue Storage	46.00	46.00	46.00	138.00
Office Supplies		58.30		58.30
Telephone Expenses		146.90		146.90
Special Mailing: "Action Alert"		725.93		725.93
Tax Form Filing Charge			10.00	10.00
Returned Check/ Bank Charges	11.10			11.10
TOTAL EXPENSES	$2,195.38	$1,876.51	$4,018.67	$8,090.56
Balance on 6/30/68: $7,795.63				
Deposits	$3,601.70	$2,757.10	$1,956.50	$8,315.30
Balance	$9,201.95	$10,082.54	$8,020.37	$8,020.37

FEDERAL GOV'T and MILITARY

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:

Dennis Biagioli, 607 W. Pleasant Ave. Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Hi! Wow, here we are at the end of another year already. Here are the issue and subject indexes for the past year..

1986 - FEDERAL GOVERNMENT/MILITARY INDEX BY ISSUE

Jan: Chanute Air Force Base, IL
Wurtsmith Air Force Base, MI
Camp Grayling, MI, Air National Guard
Selfridge Air National Guard Base, MI
McConnell Air Force Base, KS
Angeles National Forest, CA

Feb: Chanute Air Force Base, IL
Army Corps of Engineers, CA, callsigns
McGuire Air Force Base, NJ
1983 Federal Government/Military column index by issue

Mar: Las Vegas, Nevada, area
National Science Foundation, CO
Army Engineers, KS
Eisenhower Center, KS

Apr: Kansas & Western Missouri -- extensive list

May: Kansas & Western Missouri continued from April

Jun: Hanscom Air Force Base, MA
South Weymouth Naval Air Station, MA
Watertown Arsenal, MA
Mountain Home Air Force Base, ID
Guantanimo, Cuba
Edwards Air Force Base, CA
Point Mugu Naval Air Station -- Pacific Missile Test Center, CA
USS America (Cv-66), Norfolk, VA
Atlanta, GA, Army Engineers
Nat'l Interagency Incident Management System (NIIMS)
San Francisco, CA, area UHF military air freqs.

Jul: Naval Air Station, Dallas, TX
New York City, NY, area
Buffalo, NY, area
Niagara Falls Air Force Base, NY

Aug: U.S. Forest Service feature & map

Sep: U.S. Forest Service frequencies

Oct: National Park Service frequencies

Nov: Devil's Postpile Nat'l Monument
Ft. Drum, NY (& Wheeler-Sack AAF)
Allegheny National Forest, PA
Lyndon B. Johnson Nat'l Historic Site, TX
Ft. Vancouver Historical Monument
Iowa National Guard UHF-aero freqs.
Army Engineers satellite data collection
Aeronautical Charts -- ordering information
"Military Radio Systems - California 1986" reviewed
"Midwest Federal Freq. Directory" reviewed
Veterans' Administration -- extensive listing

Dec: 1986 FEDERAL GOVERNMENT / MILITARY Index

1985 FEDERAL GOVERNMENT / MILITARY INDEX BY SUBJECT

1983 Fed. Gvt./Military column index	Feb	
Aeronautical Charts ordering information	Nov	
Air Force		
Chanute Air Force Base, IL	Jan	Feb
Edwards Air Force Base, CA	Jun	
Hanscom Air Force Base, MA	Jun	
McConnell Air Force Base, KS	Jan	Apr
McGuire Air Force Base, NJ	Feb	
Mountain Home Air Force Base, ID	Jun	
Nellis Air Force Base, NV	Mar	
Niagara Falls Air Force Base, NY	Jul	
Richards-Gebaur Air Force Base, MO	Apr	May
Whiteman Air Force Base, MO	Apr	
Wurtsmith Air Force Base, MI	Jan	
Air National Guard		
Camp Grayling, MI,	Jan	
Selfridge A.N.G. Base, MI	Jan	
Westchester Co. Arpt., NY	Jul	
Agriculture Dept. Forests (see National Forests)		
Allegheny Portage National Railroad, PA	Oct	
America, USS, (CV-66) of Norfolk, VA	Jun	
Angeles National Forest, CA	Jan	
Army		
Ft. Drum, NY, & Wheeler-Sack AAF	Nov	
Ft. Leavenworth, KS	Apr	May
Ft. Leonard Wood, MO	Apr	May
Ft. Riley, KS	Apr	May

Iowa Nat'l Guard helicopter frequencies	Nov	
Lake City Ammunition Plant, MO	May	
Army Corps of Engineers		
Atlanta, GA	Jun	
Buffalo, NY	Jul	
California callsigns	Mar	
Missouri	Apr	
New York	Jul	
Rock Island, IL, satellite data system	Nov	
Watertown Arsenal, MA	Jun	
West Point, NY, U.S. Military Academy	Jul	
Blue Ridge National Parkway, NC & SC	Oct	
Boston National Historic Park, MA	Oct	
Brookhaven National Laboratory	Jul	
Brooklyn, NY, naval operations	Jul	
Buffalo, NY, area	Jul	
Caddo National Grasslands, TX	Sep	
California area UHF aero frequencies	Jun	
California Dept. of Forestry	Sep	
Camp Grayling, MI, Air National Guard	Jan	
Cape Cod National Seashore, MA	Oct	
Cape Lookout National Seashore, NC	Oct	
Carver, George W., National Monument, MO	Oct	
Charts, Aeronautical, ordering information	Nov	
Chattahoochee River Nat'l Recreation Area, GA	Oct	
Civil Air Patrol, NY & NJ	Jul	
Chanute Air Force Base, IL	Jan	
Cowpens National Battlefield, SC	Oct	
Dallas, TX, Naval Air Station	Jul	
Delaware Water Gap Recreational Area, PA	Oct	
Devil's Postpile National Monument	Nov	
District of Columbia U.S. Park Police	Oct	
Edison National Historic Site, NJ	Oct	
Edwards Air Force Base, CA	Jun	
Effigy Mounds National Monument, IA	Oct	
Eisenhower Center, Wichita, KS	Mar	
Ellis Island, NY, Interior Dept.	Jul	
Energy, Department of		
Brookhaven National Laboratory	Jul	
Nevada Test Site	Mar	
Environmental Protection Agency, NV	Mar	
Federal Aviation Administration		
JFK International, NY	Jul	
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Forest Service, U.S.		
Feature article & map (no frequencies)	Aug	
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Fort Vancouver Historical Monument	Nov	
Gateway National Recreation Area, NY	Oct	
General Grant's National Memorial, NY	Oct	
General Services Admin. (GSA), Fed. Protection Svc.		
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Missouri	May	
George W. Carver National Monument, MO	Oct	
Golden Gate National Recreation Area, CA	Oct	
Golden Spike Nat'l Historic Site, UT	Oct	
Grand Portage National Monument, MN	Oct	
Grant, General, National Memorial, NY	Oct	
Guantanimo, Cuba	Jun	
Homestead National Monument, NE	Oct	
Hoover, Herbert, Nat'l Historic Site, IA	Oct	
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Interior Dept		
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Kansas (various locations)	Apr	May
Iowa Army Nat'l Guard Helicopter frequencies	Nov	
Jefferson National Exposition Memorial, MO	Oct	
Jewel Cave National Monument, SD	Oct	
Johnson, Lyndon B., Nat'l Historic Site, TX	Oct	Nov
Kansas, extensive list	Apr	
Kennesaw Mountain Nat'l Battlefield Park, GA	Oct	

Knife River Indian Villages, ND	Oct	
King, Martin L., Center & Monument, GA	Oct	
Lake City Army Ammunition Plant, MO	May	
Lake Mead Nat'l Recreation Area, NV	Mar	Oct
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Leonard Wood, Fort, MO	Apr	May
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Lyndon B. Johnson Nat'l Historic Site, TX	Oct	Nov
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Roosevelt, T., National Park, ND	Oct	
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USS America (Norfolk, VA)	Jun	
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Nellis Air Force Base, NV	Mar	
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Niagara Falls Air Force Base, NY	Jul	
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"Military Radio Systems - California 1986"	Nov	
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Saint-Gaudens National Historic Site, NH	Oct	
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Whiteman Air Force Base, MO	Apr	
Wilson's Creek National Battlefield, MO	Oct	
Wurtsmith Air Force Base, MI	Jan	

CALL FOR MOST-LISTENED-TO FREQUENCIES

How about everyone sending their most listened to (non "sensitive") Federal government or military frequencies (or frequency) and we can compile quite a list. Hopefully it will be so long that it will take several months to print it all! Come on, nearly everybody has something in this category they hear. Put it in an envelope and send it along. Even if there is only one in your area that provides you enough action that you listen to it, then take part. Everybody has something they are THE authority on -- so how about sharing? Let's try to get these in by January 31, 1987 -- okay? Come on, please? This means you -- please consider this a personal invitation! Not a long list of everything in your area, just the ones you find interesting enough to monitor regularly!

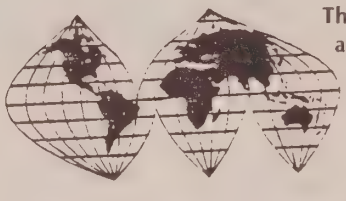
Just two items: (1) If you wish to remain anonymous, that's okay -- but please at least tell me who you are in case I have questions. And

(2) if you are sending someone else's list, at least give them credit. I would really advise against passing around any list that someone else gave you for your personal use. That's a great way to loose a good and friendly source.

That should take care of 1986. I hope you have the best of Holiday Seasons.

73-
Henry

INTERNATIONAL



This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to:

Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902

I think that I am going to put the series on the Republic of Ireland (Eire) aside for a while and look around the world at some of the activity in the field of radio. I have a bit more arranging to do with the Irish information, but I promise that I will come back to it in the near future-perhaps with next month's column. In the meantime, I would like to start this month's column with a look at some information which has come to us from the pages of Global Communications Magazine- 4th Quarter 1986.

UNITED KINGDOM

We have already spoken about the fact that Band III in Europe has been opened and made available to mobile radio. The first actual use of these frequencies (176.25-214.75 in the U.K.) has in fact been in the United Kingdom. Global Communications reports that companies awarded licenses in March 1986 to provide mobile radio and radio-paging services on these new frequencies are still uncertain over exactly what services their licenses will allow them to offer. It is believed that some of the services will be delayed until well into 1988 before being introduced.

Some of the problems that exist are the degree of interconnection to the public phone network and the air interface specifications, which have not yet been decided. Still remaining is the fact that Band III is still authorized for broadcasting in other countries on the continent. This poses the potential for interference to each type of service from the other.

SWEDEN AND NORWAY

Sweden and Norway are planning a train-to-train radio communications system. This system will provide connection between trains and the control centers, and allow contact to maintenance, railway stations, and shunting services. It also adds voice connection to the railway's telephone network and automatic messaging of the train's location. The system will transmit both voice and data, initially time-multiplex on one channel. Eventually the system will include two separate transmission paths between control centers and base stations.

PEOPLE'S REPUBLIC OF CHINA

Motorola was selected to provide the People's Republic of China

with its first 800 MHz cellular phone system. This system will be installed and implemented in the capital city of Beijing and will be a TACS (Total Access Communications) system similar to the type adopted in the United Kingdom.

COLUMBIA

El Correjón is a large coal mining area in Colombia, South America. Located conveniently close to the Caribbean coast, these coal mining areas are scattered over a distance of some 37 miles. This strip mining area in the Guajira desert presented a challange to the Colombian government and radio engineers, and recently a complex and integrated communications system was commissioned for the project.

A complete mining infrastructure was built including a city of approximately 3,000 houses near the mine site and another 400 houses in the port city of Portete Bay, a railroad of 150 km to connect the mine and the port plus two airports, one at each end of the complex. Communication systems included earth stations, high density microwave, telephone switching equipment, control systems and airport controls. Motorola supplied the two-way radio requirements.

The first requirement was a complete security system to provide effiecient communications between the headquarters city of Barranquilla, the mine site and the port of Portete. A UHF repeater system was designed using the available montaintop sites to provide end to end communicationsover the many hundreds of miles within the complex. In addition, a number of sub-systems were installed to provide for the needs of construction, maintanence and operations. Using the microwave as the backbone of the system, consoles are located at all major locations throughout the El Correjón complex.

The equipment chosen for El Correjon was selected for its reliability and ruggedness. A synthesized mobile system was chosen and more than 600 units are presently in use in addition to 500 portables to make all areas accessible throughout the complex's hundreds of square miles. These portables allow for coordination, security, and emergency services in an area in which constant temperatures above 100 degrees are the norm. During the construction stage of El Correjón, before anything was even built, these portables provided the only link with civilization.

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Well, I think that you will all agree that the above notes and articles are indeed interesting. They all, however lack what I would consider to be a most important element- that is none speak of any specific frequencies. This is one of the many difficulties we all face and certainly is one of the frustrations I have in trying to present to you articles that are both interesting and informative. It is true that the articles were not written for the monitor or DX-er, but are presented solely as information to a general radio oriented industry. We have to go out and find our own "lists" of frequencies. That is where you the membership comes in, and where we the editors get our really super material.

I am going to save the German frequencies I spoke about last month for another day. Following will be a list of International Columns for the past two years sorted by date and by country. A complete list from September 1979 through December 1985 can be found in the December 1985 Newsletter. I hope that you enjoyed this column and all the columns during this past year, and I would encourage you to submit any and all information you might have regardless of how unimportant you might feel it is. Everything is important, and every little bit helps. Till next month...

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	CARIBBEAN CRUISE	FREQUENCIES	33
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INTERNATIONAL.COLUMN-COUNTRY.SORT

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	MEXICO CITY	86/01	37
	NOGALES	86/06	32
	PUEBLA	86/01	36
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USSR	FREQUENCIES	85/10	32

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MARKETPLACE

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:
RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

ATTENTION:

Members wishing to contact me by way of electronic mail may do so via the following services:

COMPUSERVE..76566,1542 THE SOURCE.....BDW292 MCI MAIL.....286-1087
DELPHI:.....GMDARCY PEOPLE LINK.....INF568 TELEX.....6502861087
GENIE.....GMDARCY

EDITOR'S COMMENT:
USA members sending me self addressed stamped envelopes will recieve appproximately four Marketplace Ad Request Forms for each twenty-two cents of postage included on their envelopes. Members in foreign countries need not include postage, I will cover that cost myself.

Also, members who subscribe to any of the above listed computer data services may send their ad requests by E-MAIL to me using the addresses indicated. Please be sure that all the information asked for on the request form is contained in your message to me. Thanks! (10-05-86)

FOR SALE:
Sanyo ''AAA'' Ni-Cads; set of 4; still in blister package. $6.00 PPD. Contact: LOUIS CAMPAGNA (PA-024), 7221 Rising Sun Ave., Suite 199, Philadelphia, PA 19111. (09-01-86)

FOR SALE:
Fanon Courier SCMA-6 scanner base/mobile adapter. Capable to power, charge, amplify, and to utilize outside antenna system. Power jack may need to be replaced. $10.00 PPD. Contact: LOUIS CAMPAGNA (PA-024), 7221 Rising Sun Ave., Suite 199, Philadelphia, PA 19111. (09-01-86)

FOR SALE:
Bearcat 5/6. No AC charger included. Includes 15 PD and aircraft crystals. Box and manual included. Excellent condition. $95.00. Contact: JOHN P. JOHNSON (WI-084), 1905 E. Lexington Blvd., Eau Claire, WI 54701-6673. (08-27-86)

NEW PRODUCT REVIEW

This column is for reports on new products of interest to scanner listeners. Send reports on scanners, antennas, frequency publications and other products related to the hobby to:

James A. Abdu (GA-058), 1203 N. Crossing Way, Decatur, GA 30033

NEW PRODUCT REVIEW COULMN INDEX FOR 1986

ISSUE	SUBJECT(S)
APRIL	: Regency HX-1200.
MAY	: Simplex Audio Recorder/Message Repeater.
JUNE	: Cases for hand helds, Dial-up walkie talkies, Digital Radio-telephone, Laser airborne communications.
JULY	: No Column.

AUGUST : Midwest Federal Frequency Directory, Regency HX-2000, Regency MX-7000, Voice (aircraft) control unit.
SEPTEMBER : Railfone, Airfone, Marconi Instruments mobile test set, Regency HX-1500, Personal Radio Steering Group.
OCTOBER : Radio Shack Pro-32, Regency R-1075, Sony Air-8, BC-100XL, Yaesu FRG-9000, Meteor communications.
NOVEMBER : Radio Shack Pro-32, Regency HX-1200.
DECEMBER : Radio Shack Pro-32, Airfone Freq's.

SUBJECT	ISSUE(S)
Airfone	SEP 86, DEC 86
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Dial up walkie talkies	JUN 86
Digital radio-telephone	JUN 86
Laser airborne communications	JUN 86
Marconi Instruments Mobile test set	SEP 86
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Midwest Federal Frequency Directory	AUG 86
Personal Radio Steering Group	SEP 86
Railfone	SEP 86
Radio Shack Pro-32	OCT 86, NOV 86, DEC 86
Regency HX-1200	APR 86, NOV 86
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Regency MX-7000	AUG 86
Regency R-1075	OCT 86
Sony Air-8	OCT 86
Simplex Audio Recorded/Message Repeater	MAY 86
Voice (aircraft) Control Unit	AUG 86
Yaesu FRG-9000	OCT 86

Hello and welcome to the New Product Review column. This month I have an in-depth review of the Radio Shack Pro-32 hand held scanner and Airfone frequency information.

The Pro-32 is similar to the Radio Shack Pro-30 in size, knob placement, auxiliary buttons at the top for scan, speed and manual functions (that work when the keyboard is locked out) and frequency range but that's where the similarity ends. The Pro-32 even looks different - It has a silver front and back with black ribbed sides for a sleek, professional look.

The Pro-32 has TWO HUNDRED (yes 200) memory channels arraigned in ten banks of twenty channels each. The banks are numbered 1 thru 0, bank 1 contains channels 1-20, bank 2 contains channels 21-40 ... bank 9 contains channels 161-180 and bank 0 contains channels 181-200. Banks may be locked in or out by pressing the corresponding numeric key while in the scan mode. The channels contained in each bank are written in blue above the numeric keys on the keyboard. For example, pressing '9' while in the scan mode will lock (or un-lock) bank 9 (channels 161-180). Individual channels may also be locked out by pressing the 'L/OUT' (lock out) button while stopped on that channel in the scan or manual modes.

The numeric keys are in the same location as the Pro-30 but all the function keys are in different locations. The standard functions of delay (by channel), speed, clear (to erase wrong entries), lock out and manual operate just as with many other scanners. The display light illuminates the whole display brightly and will stay on as long as the button is depressed.

The priority function will allow any channel to be the priority channel by pressing 'PGM' (program) channel number and then 'PRI' (priority). pressing 'PRI' again will activate the priority function. The priority function only works in the manual and scan modes. It will not work while in the search or program modes.

Programming the unit is easy. You may go to any channel in the manual or program modes i.e. 'PGM' '5' '5' 'PGM' will put you in the program mode on channel 55. You then enter the frequency and press 'ENTER' and it's done. If you press 'PGM' again the channel advances (to 56 in this example) and you may enter the next frequency and press 'ENTER'. When a new frequency is entered the delay and lockout features are re-set (de-activated) for that channel.

The search feature incorporates some innovations that are very useful. To set the search limits you press 'PGM' 'LIMIT' a bar appears on the bottom of the display to indicate the lower limit which is entered. Press 'LIMIT' again and a bar appears on the top of the display to indicate the upper limit entry. Pressing the up or down arrow keys will cause the unit to search from the bottom limit up or from the top limit down. When a signal is received the unit will stop (nothing new so far, but...) when you press the 'MON' (monitor) key the unit will stay on that frequency and the display will change and show 'MONITOR 1 2 3 4 5 6 7 8 9 10' a bar will appear under one of the numbers. These numbers represent temporary monitor memories and the one with the bar under it now contains the frequency found while searching. The up/down arrows will continue the search and the process may be repeated until all monitor memories are full. By pressing 'MON' while in the program or manual modes you may step through the ten monitor memories. The frequencies may be transferred to one of the 200 memory channels by pressing for example 'PGM' '5' '5' 'MON' 'ENTER'. The frequency from monitor memory 1 is now entered in channel 55.

The frequency range is identical to the Pro-30: 30-54MHz, 108-136MHz, 138-174MHz and 380-512MHz. The sensitivity and image rejection is the same if not better. I have learned that published specifications are meaningless and the best test is listening. The Pro-32 is quick and picks up distant signals easily and clearly. The unit never passes over active frequencies and it is almost always possible to hear both sides of a conversation, even distant mobile units. The only reception problems I encountered were in the 380-400MHz aircraft band because the unit is in the F.M. mode and transmissions are in A.M.

The rubber duckie antenna is adequate for most usage but a mobile antenna improves reception while in a vehicle and of course an external antenna also will improve reception at home. Like the Pro-30 and many other scanners images may be picked up on a base (original) frequency plus twice the I.F. (intermediate frequency: used for signal filtering and demodulation). For instance, the Pro-32 has an I.F. of 10.7MHz and a strong signal on 150.99MHz may also be heard on 172.39MHz (((2 x 10.7) + 150.99) = 172.39).

Two hundred channels may seem like an excessive or unnecessary amount, but there are many ways to take advantage of this vast memory without getting lost in the activity. I have used these capabilities in two basic ways. One way is to program different cities, counties and jurisdictions in separate banks. When approaching a new jurisdiction the new banks are activated and once in the new jurisdiction the old banks are locked out. This saves much time and confusion: instead of programming the new frequencies (and erasing the old) you just press a few keys.

Another way I've used the Pro-32 is at events such as an air show or Presidential visit. I did some homework before the events and created lists of between 120-140 frequencies that MAY have activity. I then programmed all these frequencies in six or seven banks. I locked out channels that had activity unrelated to the event and marked all frequencies on my list that had related activity (the programmable priority helped greatly to find related frequencies). I then put all the active event frequencies in another bank or two. Using this method I was able to find and monitor the 25-35 frequencies with the 'action'. Had I used a scanner with less capabilities it would have been much more difficult and time consuming to scan and search out the activity.

The Pro-32 scans and searches quickly. All two hundred channels can be scanned in just under 25 seconds (24.33s average by my test) in fast speed and in just over 45 seconds (45.25s) in slow speed. One hundred channels may be scanned in just over 12 seconds (12.3s) in fast speed and in about 24 seconds in slow speed. Tricks like programming favorite frequencies more than once can be used to insure no action is missed. The unit will search 5 MHz in 12.5KHz increments in about 50 seconds. 5 MHz in .5KHz increments takes the Pro-32 between 115 and 118 seconds. The Pro-32 is actually slower than the Pro-30. The Pro-32 scans/searches at 8 or 4 steps per second while the Pro-30 scans/searches at 10 or 5 steps per second.

If you can't already tell, I think the Pro-32 is an excellent hand held scanner which was designed for (if not by) monitoring enthusiast. The unit is packed with useful, logical and time saving

features. The Pro-32 does have at least one minor drawback. When using an ear phone there is a constant slight hiss. I had the same problem with the Pro-30 when using an A.C. adapter and solved it by using a filtered power supply. The Pro-32 has this hiss even when using batteries, maybe Steve Kayworth can tell us how to filter out this hiss by putting a capacitor on the ear phone cord.

I would recommend the Pro-32 to those who constantly cross jurisdictions, have a large amount of not too active frequencies to listen to or want an easy to use and possibly most advanced hand held scanner. The $ 299.00 price tag does not seem too much out of line with what might be expected. Radio Shack has a total of six new scanners listed in the 1987 catalog (pages 88-91) including the Pro-2004, a 300 (yes 300!) channel scanner with coverage of 25-520MHz and 760-1300MHz. The Pro-2004 has ten banks of thirty channels each and features such as an external tape recorder jack. It should be available as of November 30, 1986. I will report further on these scanners as I get more information (from Radio Shack and YOU), until then you may want to take a look at the Radio Shack catalog.

I hope to be able to test the Pro-32 side by side with the new 55 channel Regency HX-1500. Initial reports on the HX-1500 are favorable, I received a letter from Bob King (NJ-214) about the HX-1500. Bob had problems with the Regency HX-2000 and "was some what skeptical at investing more of my hard-earned money in Regency products". Bob continued:" It's hard to believe that the HX-2000 and HX-1500 are made by the same company. When I removed the HX-1500 from its box I was impressed by its rugged, durable and professional appearance... It has the heft, balance and 'feel' reserved for only an expensive handgun or a custom fly rod." On reception, Bob reports: "The HX-1500's ability to receive near, mid-range, and far stations is remarkable even when in a vehicle or on one's belt...Regency will have to come up with something quite remarkable to top it." Thanks Bob ! I expect to have a test unit within the next week and will review the Regency HX-1500 as soon as possible.

I have a follow-up on frequencies used by Airfone (SEPT 86) for telephone calls from aircraft. I came across an article that stated Airfone operates under an experimental license issued in 1984 on frequencies between 899-901MHz and 944-946MHz. Railfone is said to operate on local cellular frequencies.

What's the frequency, Kenneth?.....

Jim Abdu

NEWS MEDIA COMMUNICATIONS

This column is for reporting frequency and radio systems information of news media. Send related reports and questions on newspaper, radio, television, magazine, film production companies, etc. to:

Allen G. Henney, MD-069, 6912 Prince Georges Ave, Takoma Park, MD 20912

I WOULD LIKE TO THANK THOSE PEOPLE WHO SENT IN INFORMATION DURING THIS YEAR. ITS REALLY BEEN A PLEASURE DOING THIS COLUMN. AS YOU KNOW THIS IS THE DECEMBER ISSUE WHICH HAS THE 1986 GENERAL INDEX WHICH APPEARS BELOW. HOPE IT IS OF SOME USE.

MARCH 1986	FIRST COLUMN, FCC REMOTE PICKUP UNIT FREQUENCY LIST
APRIL 1986	MICHIGAN, KALAMAZOO
	FLORIDA, ST PETERSBURG - TAMPA
MAY 1986	MICHIGAN, DETROIT
JUNE 1986	MASSACHUSETTS, BOSTON - RHODE ISLAND, PROVIDENCE
	NEW YORK, NEW YORK CITY - CONNECTICUT
JULY 1986	CALIFORNIA, SOUTHERN MEDIA, SOUTHERN NEWSPAPERS
AUGUST 1986	ILLINOIS, CHICAGO
SEPTEMBER '86	GEORGIA, ATLANTA / TEXAS, FORT WORTH - DALLAS
	NEW YORK, BUFFALO, SYRACUSE - WATERTOWN
OCTOBER 1986	WASHINGTON, SEATTLE - TACOMA
	'GENERIC' MEDIA FREQUENCY LISTING
	NEW YORK, NEW YORK CITY - CONNECTICUT (UPDATES)
	GEORGIA, AGUSTA

NOVEMBER 1986 FLORIDA, CENTRAL & WEST COAST
CELLULAR IN TRAFFIC REPORTING AIRCRAFT
CONNECTICUT (UPDATE)
DECEMBER 1986 1986 GENERAL INDEX
NEW YORK, NEW YORK CITY - CONNECTICUT

CALIFORNIA (SOUTHERN MEDIA) & (SOUTHERN NEWSPAPERS) JULY 1986
CHICAGO (ILLINOIS) AUGUST 1986
CONNECTICUT (NYC AREA) JUNE, DEC 1986, (UPDATES) OCTOBER, NOV '86
FLORIDA (ST PETERSBURG - TAMPA) APRIL, NOVEMBER 1986,
(CENTRAL) NOVEMBER 1986
GEORGIA (AGUSTA) OCTOBER 1986, (ATLANTA) SEPT 1986
MASSACHUSETTS (BOSTON) JUNE 1986
MICHIGAN (DETROIT) MAY 1986, (KALAMAZOO) APRIL 1986
NEW YORK (BUFFALO) SEPT 1986, (NYC) JUNE, OCTOBER 1986, DEC 1986
(SYRACUSE) SEPT 1986, (WATERTOWN) SEPT 1986
RHODE ISLAND (PROVIDENCE) JUNE 1986
TEXAS (FORT WORTH - DALLAS) SEPTEMBER 1986
WASHINGTON (SEATTLE - TACOMA) OCTOBER 1986

CELLULAR IN TRAFFIC AIRCRAFT NOVEMBER 1986
GENERIC MEDIA FREQUENCY LIST OCTOBER 1986
REMOTE PICKUP UNIT FREQUENCY LIST MARCH 1986

WE HAVE BEEN REQUESTED TO KEEP THE COLUMNS THIS MONTH SHORT DUE TO THE EXTENSIVE INDEXES. SO THE FIRST OF SEVERAL CALIFORNIA LISTS WILL APPEAR STARTING NEXT MONTH. HOWEVER, THIS MONTH WE WILL FINISH THE YEAR WITH A LIST OF NEW YORK CITY - CONNECTICUT MEDIA FREQUENCIES SENT IN BY KEVIN BATHRICK (NY-314).

NEW YORK CITY MEDIA

ABC (TV/RADIO) 450.5875 (NETWORK), 450.4125 (SPECIAL EVENTS),
152.87 (REMOTE)
ASSOCIATED PRESS 35.9
CBS (TV/RADIO) 450.0875 (REPORTERS), 450.35 (NETWORK),
153.29 (REMOTE)
NBC (TV/RADIO) 161.67 (ASSIGNMENT DESK), 153.05 (REMOTE)
NEWSDAY MAGAZINE 173.375
NEW YORK DAILY NEWS 173.325
NEW YORK TIMES NEWSPAPER 173.225 (DESK), 173.275 (REPORTERS)
POUGHKEEPSIE RADIO 152.57 (REMOTE), 173.375 (REPORTER)
SONDERLING BROADCASTING 153.35
TIME MAGAZINE 453.0
WHYN (AM560/FM93.1) 151.49 (NEWSDESK) / 161.64 (REPORTERS/REMOTE)
WINS (AM1010) 450.45 (REPORTERS)
WMHT (TV17) SCHENECTADY (PBS) 493.7625
WNYC (AM830) 161.76
WOR (AM710/TV9) 450.4875
WRGB (TV6) SCHENECTADY (CBS) 161.67
WTEN (TV10) ALBANY (ABC) 450.45

CONNECTICUT MEDIA

WHCT (TV18) HARTFORD 450.25
WPOP (AM1410) HARTFORD 161.76
WTNH (TV8) NEW HAVEN ACTION NEWS 161.64 (DESK), 161.7 (REPORTERS)

MANY THANKS GO TO KEVIN FOR SHARING HIS FREQUENCIES FOR NEW YORK & CONNECTICUT AREA WITH US. IN OCTOBER, RON MURRAY ASKED FOR INFORMATION ON WHO USES 450.1875 IN HIS AREA. USING THE CALL SIGN HE GAVE, WE COULD MATCH IT UP TO KELLY TELEVISION. HOWEVER, THE STATION NAME WAS UNKNOWN. FORTUNATELY 3 RCMA MEMBERS: GEORGE DuBOIS, WILLIAM FARMER & RICK MATTHEW SENT THE ANSWER IN. KELLY TELEVISION IS THE OPERATOR OF KCPQ (TV13) IN TACOMA. ITS NICE TO KNOW THERE SOME HELPFUL PEOPLE OUT THERE WHO LIKE THE MEDIA.

SEASONS GREETINGS...

UTILI-CASTING?

While some mergers result in funny names, the recent merger of **Monitoring Times** and **International Radio** (formerly the **Shortwave Guide**) has resulted in an excellent new 60-page magazine covering full-spectrum utilities communications as well as worldwide shortwave broadcasting activities. To keep it simple, we've retained the name of one of the partner companies—**Monitoring Times**. It's all new, bigger, more colorful and more informative. Clearly, it's the most comprehensive publication for the radio listener available today!

Send for a free "sample digest" or subscribe by contacting:

$2.00
Premiere Issue of the New MT!
MONITORING TIMES
MT Merges With International Radio!
BBC
British Broadcasting's Margaret Howard
Gone, but not forgotten (Story on Page 8)
Scanning for News
Also:
• Radio Canada Cancels North American Service
• World Harvest Radio
• Worldwide Utilities and Broadcasting Coverage!

MONITORING TIMES
140 Dog Branch Road
P.O. Box 98
Brasstown, N.C. 28902

704-837-9200

Rates: 1 Year $14; 2 Years $25; 3 Years $36

PUBLIC SAFETY

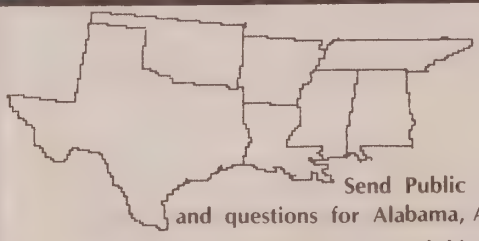
This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for poilice, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

Associated Public-Safety Communications Officers, Inc.

OFFICIAL TEN SIGNAL LIST

APCO states the numbering, sequence, words or word phrasing of the below listed signals may no be altered, nor may the reserved signals be otherwise implemented except by APCO. Any user may employ signal numbers upward, beginning with 10-40, as needed for local dispatching. RCMA publishes this listing in support of APCO and their uniform dispatch code efforts. We will print other dispatch codes, different from the OFFICIAL APCO listing, only to assist our membership in their continued monitoring hobby. It is hoped you find this listing useful.

10-1	Signal weak	10-19	(In) contact
10-2	Signal good	10-20	Location
10-3	Stop transmitting	10-21	Call ( ) by phone
10-4	Affirmative (OK)	10-22	Disregard
10-5	Relay (to)	10-23	Arrived at scene
10-6	Busy	10-24	Assignment completed
10-7	Out of service	10-25	Report to (Meet)
10-8	In service	10-26	Estimated time of arrival
10-9	Say again	10-27	License/Permit Information
10-10	Negative	10-28	Ownership Information
10-11	( ) on duty	10-29	Records check
10-12	Stand by (stop)	10-30	Danger/Caution
10-13	Existing conditions	10-31	Pick up
10-14	Message/Information	10-32	( ) units needed (Specify)
10-15	Message delivered	10-33	Help me quick
10-16	Reply to message	10-34	Time
10-17	Enroute	10-35 through 10-39 are reserved for future assignment by APCO. User option 10-40 upward.	
10-18	Urgent		



PUBLIC SAFETY - SOUTH CENTRAL

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas to

Ed Lentz, 609 Yorkshire, Pasadena, TX 77503-1450

GEnie - ELENTZ DELPHI - THISARSE COMPUSERVE - 72645,172

Welcome to the Public Safety - South Central. I have been informed that I missed the September issue of the newsletter. My apologies to everyone. Somehow with vacation and all the confusion that goes with a long trip I somehow let the calendar slip by. Will try and not let that happen again.

The post office has been good to me by letting me receive quite a bit of mail lately. The trouble is, about half of it is request. I don't mind doing what I can to fill your request for information. In fact, that at least let's me know that someone is out there. If you don't have an extra business size envelope to enclose just drop an extra stamp in with your request. Give me a few weeks and I'll give you what I have. Of course, if I don't have the information, I'll at least send you a reply stating that I am unable to furnish the information because I don't have anything. While you are writing out your request why don't you let me know what you have from your area. If you want some frequency information you must have a scanner. What

are the frequencies in it and what are they for? If you don't want your name in the newsletter that's fine. Just tell me.

Received a package in the mail the other day from Ken Winters of Basic Computer Serviees in Arlington Texas. Enclosed was a very good database listing of frequencies in the Dallas/Ft Worth area. He has included most anything that can be received on a receiver from the aviation beacons to the satelite receivers. The book is approximately 60 pages in length with one list sorted by frequency and the other alphabetically. If you live or plan to visit the area it would be a good book to have for reference. Another book that is somewhat dated but still full of good information is the Fox Scanner listings by Norm Schrein. The Fox book has some of the codes and signals used by the Public Services in that area. The address for each company is listed below.

D/FW FREQUENCY LIST
NEW FOURTH EDITION
Basic Computer Services
PO Box 14193
Arlington, Texas 76013

FOX SCANNER RADIO LISTINGS

Fox Marketing, Inc.
4518 Taylorsville Road
Dayton, Ohio 45424-2497
1-800-543-7892

Now I will brag on a product that I bought with my own dollars. I am sure most of you are familuar with the Yaesu FRG-9600 scanner and also the drawbacks. Now you can get around most of them by the use of an Apple or Commodore computer. Applied Solutions and Yaesu have teamed up and have a product called "CATPACK9600". With this program and the interface included with it you are able to control the scanner with a computer. Search with memory and at a faster rate than the old Bearcat 250. Control the scan rate, delay, and timeout and scan as many channels as you want. I'm having a ball with it. For once I am able to build a scanner to make it do what I want it to instead of doing what the designers intended for me to do with it. Check with your local Yaesu dealer and be prepared to part with $89.95.

Enough of the commercials and on with the goodies.

Received a very long list from Arnaud Milner (LA-045 0287) who request that anyone get in touch with him to exchange more information. His address is as follows:

Arnaud Milner
3708 N. Turnbull Dr.
Metairie, Louisiana 70002

ALABAMA

(from Arnaud LA 045 0287)

State PD Net	Statewide	155.010	
Mobile Police	Mobile	453.050	
Mobile Police	Mobile	453.250	
Mobile Police	Mobile	453.450	
Mobile Police	Mobile	453.100	Command Units

LOUISIANA

(from Arnaud LA 045 0287)

AMBULANCE/HOSPITAL		
Acadian Ambulance		155.290
		155.295
		155.300
		463.025
		463.175
Car Ambulance Service		461.825
Charity Hospital/Ambulance		155.205
East Jefferson Ambulance	East Jefferson	155.390
East Jefferson Hospital	Jefferson	155.390
Kenner Anbulance	Acadian	155.175
Louisiana Civil Defense		45.600
Medic One Ambulance		155.240

Ochsner Hospital		155.340
Red Line Ambulance		33.400
Thibodaux General	Thibodaux	155.330

Now that Ole Man Winter is closing in, it's time to monitor the local highway departments. With the road closings, snow routes, and bridges closed the scanner is a darn good way to keep up with the best routes to get around. It always helps to have advance notice of all the minor inconviences that winter brings with it.

This being the December issue we have been asked to make this the annual Index issue. If you missed the index for last year it is also included for your convience. The past issues are available from the RCMA General Manager. All the necessary information along with price is usually in the first few pages of the newsletter. The July 1985 issue has the index going back to 1980.

Putting the information together in a database and sorting down really gives a report of where the information comes from in the newsletter. One of the most obvious is, we don't get much information from areas outside of Texas. This is not because the past editor and the previous live in Texas. Well, on second thought, maybe it is. I'll explain. We have been given a certain length to try and fill each month for the column. I have 70 column inches before reduction and printing. To start out with I have to have information to insert in the column and guess where it comes from. Yep, from you. If by some chance, and normally, I don't have anything I have to use information from my own files. I have over 100 pages of frequences from Texas so I can make it for a few months without repeating myself. There are also several people that have been overly generous with their time and given this column much support. I'll not mention names as they know who they are. I thank them and so do many others whom we never hear from. Since I have taken over some new people have done their part and sent in information. Don't wait for the next person to do it. He's waiting on you.

Before next summer I would like to have a recap of all the State Patrol, Forest, Highway Department and sheriffs nets in all the states that we cover in this column. Any other statewide agencies also need to be included. Sometime around April or May would be a good time for this. Now, in order to do this I need your information within the next month or so. I have to have the April issue ready and in California by February 10th so that's not much time. Hopefully we could do this yearly and make it the Travel Edition. Please don't get it out of any of the books as we like to have this contain only <u>confirmed</u> frequencies.

One other thing before we get to the Index. If you live in the Houston Texas area and would like to start meeting other RCMA/Scanner Enthusiast please drop me a line. Other areas have had Clubs for the past few years and it's high time that we do the same. I don't want to run it because I don't have time, but will be willing to help get it started.

SEASONS GREETINGS TO ALL

PUBLIC SAFETY - SOUTH CENTRAL
By Issue
INDEX - 1986

ISSUE	SUBJECT.....	ST	CITY/AREA.....
01/01/85	GREGG CO FREQ LIST	TX	LONGVIEW
01/01/85	N. E. TEXAS AREA LISTINGS	TX	N.E. TEXAS
01/01/85	UPSHUR CO FREQ LIST	TX	GILMER
01/01/85	MORRIS CO FREQ LIST	TX	DAINGERFIELD
01/01/85	RUSK CO FREQ LIST	TX	HENDERSON
01/01/85	PANOLA CO FREQ LIST	TX	CARTHAGE
01/01/85	BEXAR CO AREA FREQS (ADDL)	TX	SAN ANTONIO

01/01/85	AUSTIN FD DIST CHANGES	TX	AUSTIN
01/01/85	HARRISON CO FREQ LIST	TX	MARSHALL
01/01/85	TRAVIS CO SYSTEMS PROFILE	TX	AUSTIN
02/01/85	WASHINGTON PRSH CORR. INST. FREQ	LA	
02/01/85	AUSTIN FD UNIT ROSTER/NEW DISTS	TX	AUSTIN
02/01/85	HOUSTON AREA UPDATE (4/84)	TX	HOUSTON
02/01/85	TPW/PARIS J.C./BONHAM FREQ INFO	TX	BONHAM
03/01/85	N. E. OKLAHOMA RADIO LISTINGS	OK	N. E. OKLAHOMA
03/01/85	MISK OK CITY LISTINGS	OK	OKLAHOMA CITY
03/01/85	D/FW AREA MISC UPDATES	TX	D/FW
03/01/85	CORYELL COUNTY - CONFIRMED LIST	TX	GATESVILLE
03/01/85	WILLIAMSON COUNTY - CONFIRMED LIST	TX	GEORGETOWN
03/01/85	BRAZOS CO - CONFIRMEDX LIST	TX	COLLEGE STATION
03/01/85	MCCLENNAN CO - CONFIRMED LIST	TX	WACO
03/01/85	VAN ZANDT CO PROFILE	TX	CANTON
03/01/85	DPS/SULPHUR SPRINGS ON 155.445	TX	SULPHUR SPRINGS
03/01/85	BELL CO - CONFIRMED LIST	TX	TEMPLE
03/01/85	MISC CENT. TX FREQS - CONFIRMED LST	TX	CENTRAL TEXAS
03/01/85	SAN ANTONIO AREA UPDATE (12/84)	TX	SAN ANTONIO
04/01/85	LA - S.W. AREA MISC INFO	LA	S.W. LA
04/01/85	SAN ANTONIO AREA UPDATES (12/84)	TX	SASN ANTONIO
04/01/85	BURLESON PD DISP CODES	TX	BURLESON
04/01/85	FT WORTH FD/AMB INFO	TX	FORT WORTH
04/01/85	BURLESON FD FREQ	TX	BURLESON
04/01/85	GALVESTON & MISC S.E. TX FREQS	TX	GALVESTON/S.E.
04/01/85	HEMISFAIR FREQ CORRECTION (12/84)	TX	SAN ANTONIO
04/01/85	HOUSTON AREA PROFILE UPDATE (5/81)	TX	HOUSTON
04/01/85	PLANO PD PRIMARY CH	TX	PLANO
04/01/85	HOUSTON PD DIST MAPS A - C	TX	HOUSTON
05/01/85	<> NEW ASST PS-SC EDITOR <>		
05/01/85	D/FW MISC SUBURBAN AREA NOTES	TX	FT WORTH
05/01/85	TFS MOBILE COMMAND POST	TX	STATEWIDE
05/01/85	FT WORTH PD CHANNEL CHANGES	TX	FT WORTH
05/01/85	HOUSTON FD STATION MAP	TX	HOUSTON
05/01/85	TFS RADIO NOTES/NECHES	TX	
05/01/85	HOUSTON PD DIST MAPS D - F	TX	HOUSTON
06/01/85	ALABAMA ST TROOPERS RADIO PROFILE	AL	STATEWIDE
06/01/85	ARK. - CENTRAL AREA FREQ LIST	AR	CENTRAL ARK.
06/01/85	WASHINGTON PARISH - NEW VFD	LA	
06/01/85	OK RADIO PROFILE	OK	EAST OKLAHOMA
06/01/85	HOUSTON COUNTY FIRE CHANNEL	TX	CROCKETT
06/01/85	AUSTIN CITY ELECTRIC DEDPT CH'S	TX	AUSTIN
06/01/85	LA & N.E. TX EMS HELICOPTER SVCS	TX	EAST TEXAS
06/01/85	WOOD COUNTY PROFILE	TX	QUITMAN
06/01/85	D/FW MISC NOTES	TX	D/FW
06/01/85	FW FIRE DEPT ON 800 MHz	TX	FORT WORTH
06/01/85	TFS RADIO SYSTEM PROFILE	TX	EAST TEXAS
07/01/85	----- ANNUAL INDEX 1980-1984 ------	--	
07/01/85	GRAND PRAIRIE AREA NOTES	TX	GRAND PRAIRIE
08/01/85	FT WORTH PD CH'S REVISED LIST	TX	FT WORTH
08/01/85	ARLINGTON PD RPTR INPUT CORRECTION	TX	ARLINGTON
08/01/85	FT WORTH FD 800 MHz CH'S	TX	FT WORTH
08/01/85	AUSTIN AREA FREQ LIST	TX	AUSTIN
08/01/85	ORANGE CO FD FREQ LIST	TX	ORANGE
08/01/85	SECURE RADIO CH'S LIST	TX	STATEWIDE
08/01/85	TX STATE LICENSE (4X3) ROSTER	TX	STATEWIDE
08/01/85	HURRICAN - HAM HF EMERG. NETS (TX)	TX	STATEWIDE
08/01/85	D/FW MISC FREQS	TX	D/FW
08/01/85	ARLINGTON PD 800 MHz PLANS	TX	ARLINGTON
08/01/85	155.340 REPEATER INQUIRY	TX	
09/01/85	D/FW MISC FREQ NOTES	TX	D/FW
09/01/85	AUSTIN EMS STAR FLIGHT HELICOPTER	TX	AUSTIN
09/01/85	AUSTIN FD SMOKEBUSTER 7 UNIT	TX	AUSTIN
10/01/85	<< NO COLUMN THIS MONTH >>		
11/01/85	TRAVIS CO. VFD BOND ELECTION	TX	AUSTIN
11/01/85	AUSTIN EMS STARFLIGHT INFO	TX	CENTRAL TEXAS
11/01/85	D/FW FREQ LISTING PART 2 (SUBURBS)	TX	D/FW
11/01/85	1985 TEXAS CONVENTION REVIEW	TX	
11/01/85	D/FW FREQ LISTING PART 1	TX	D/FW
11/01/85	TEXAS RENAISSANCE FESTIVAL FREQS	TX	HOUSTON
12/01/85	<< 1985 ANNUAL INDEX >>		
12/01/85	BEAUMONT DPS NOW SIMPLEX	TX	BEAUMONT

12/01/85	GALVESTON PD CH'S	TX GALVESTON
12/01/85	DELTA FL 191 REPORT (YI REPORT)	TX D/FW
12/01/85	GALVESTON FD RPTR CH (151.115)	TX GALVESTON
01/01/86	Hurrican Net Info	FL
01/01/86	Request for help on San Antonio	TX San Antonio
01/01/86	Texas Municipal Power - Update	TX North Texas
02/01/86	Missouri City PF/FD new 800 MHz	TX Missouri City
02/01/86	November '85 D/FW Updates	TX D/FW Area
02/01/86	Montgomery County New Frequencies	TX Montgomery Cou.
02/01/86	Austin PD Ch 9	TX Austin
02/01/86	Texas Air National Guard	TX Travis County
02/01/86	Texas Renaissance Festival	TX Magnolia Texas
03/01/86	San Antonio Area Freq. Listing	TX San Antonio
03/01/86	Austin FD/PD Update	TX Austin Texas
04/01/86	Houston FD new Frequencies	TX Houston
04/01/86	Montgomery County Frequencies	TX Montgomery Cou.
04/01/86	Dallas Ft Worth Area Update	TX Dal/FTW
05/01/86	Ft Worth PD District map	TX Ft Worth
05/01/86	Ft Worth / Dallas Freq Updates	TX Tarrant/Dallas
05/01/86	Waller County Info	TX Waller County
05/01/86	San Antonio Area Updates	TX San Antonio
06/01/86	Ken and Richard Closing Remarks	
06/01/86	City of San Antonio Profile	TX San Antonio
06/01/86	Austin PD new District	TX Austin Texas
07/01/86	New Editor	
07/01/86	McDonalds Frequency	TX All Areas
07/01/86	Houston Police Dept new Frequencies	TX Houston
07/01/86	County S.O.'s of Texas	TX All Areas
08/01/86	Louisiana Frequency Info	LA Cameron Parish
08/01/86	C.I.M.A. New Frequencies	TX Houston
08/01/86	Potter County Area	TX Amarillo
08/01/86	Dal/Ft Worth Update	TX Tarrant/Dallas
09/01/86	<> No Column <>	
10/01/86	Hot Springs Arkansas Area	AR Hot Springs
10/01/86	Tennessee various areas	TN Hamilton/Chatt.
10/01/86	Tennessee Various areas	TN N.East Area
10/01/86	Kilgore/Longview Fire Dept's	TX East Texas
10/01/86	San Antonio Fire Dept Update	TX San Antonio
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TX GEORGETOWN	WILLIAMSON COUNTY - CONFIRMED LIST	03/01/85
TX GILMER	UPSHUR CO FREQ LIST	01/01/85
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TX HOUSTON	HOUSTON PD DIST MAPS A - C	04/01/85
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TX LONGVIEW	GREGG CO FREQ LIST	01/01/85
TX MARSHALL	HARRISON CO FREQ LIST	01/01/85
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TX Montgomery Cou.	Montgomery County New Frequencies	02/01/86

TX Montgomery Cou.	Montgomery County Frequencies	04/01/86
TX N.E. TEXAS	N. E. TEXAS AREA LISTINGS	01/01/85
TX North Texas	Texas Municipal Power - Update	01/01/86
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TX SULPHUR SPRINGS	DPS/SULPHUR SPRINGS ON 155.445	03/01/85
TX San Antonio	Request for help on San Antonio	01/01/86
TX San Antonio	San Antonio Area Freq. Listing	03/01/86
TX San Antonio	San Antonio Area Updates	05/01/86
TX San Antonio	City of San Antonio Profile	06/01/86
TX San Antonio	San Antonio Fire Dept Update	10/01/86
TX TEMPLE	BELL CO - CONFIRMED LIST	03/01/85
TX Tarrant/Dallas	Ft Worth / Dallas Freq Updates	05/01/86
TX Tarrant/Dallas	Dal/Ft Worth Update	08/01/86
TX Travis County	Texas Air National Guard	02/01/86
TX WACO	MCCLENNAN CO - CONFIRMED LIST	03/01/85
TX Waller County	Waller County Info	05/01/86

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

David Wilcox, 1711 Excalibur Drive, Janesville, WI 53545

Welcome to the December column of PS/GL. My name is Dave Wilcox, I have recently been appointed to the position of editor for The Great Lakes column, by Bill Mauldin. Just a little about my self, I am 31 years old and have been employed by the Chicago And Northwestern Railroad for 13 years, currently as a third shift yard foreman working in the Janesville yard. I've been in the hobby of monitoring since about 1969 and enjoy listing to all types of communications.

As Jack brought up in the Sept. column, my self and two other RCMA members (Randy WI-059 & Scott WI-039) are currently working on a database for ALL OF WISCONSIN and Northern Illinois. (just the counties that boarder WI.) I would like to find members in WI & IL to help with the project of confirming our listings. Just send me a note of what counties you would like to work on and I will send you a computer printout with everything I have for that county, or counties. When you send it back updated, I will upgrade the database and print the public safety info, and send the business frequencies to the business editor. Also the members that participate will get a new printout for there use.

I would very much like to print something from every state every month but other than Wisconsin and northern Illinois my files contain very little or nothing to print, so please send me what ever you have.

Along with all the other PS/GL readers I would like to thank JACK for all his hard work over the past two years. He's made this column one of the best.

My first assignment is to compile the yearly index. This index will cover the past two years for your reference.

January 85

Illinois Tri-Com	54	Kevin (IL-274)
ILlinois DoC	55	Scott (IL-198)
Indiana Highway	56	Richard (MD-068)
Warren Mich	57	Phil (MI-130)
Wisc. New Freqs.	53	Larry (WI-005)

February 85			
	Illinois Nuclear Safety	47	John (IL-012)
	Illinois DOC Cont.	46	Scott (IL-198)
	Indiana State Police	49	Dave (IN-002)
	MI County road Commission	50	Larry (MI-001)
March 85	No Column		
April 85			
	Chicago Fire Dept	60	Michael (IL-014)
	Chicago Fire Dept	63	George (IL-115)
	Columbus Div. of Fire	65	Dave (OH-127)
	Illinois state of	64	Denny (IL-026)
	Michigan state Police	66	Phil (MI-130)
	Wisc. County Sheriffs(MAP)	67	Bob (WI-001)
May 85			
	Dekalb County IL.	64	Bob (IL-269)
	Evansville IN	66	Jeff (IN-060)
	Illinois Tollway patrol	65	George
	Louisville KY	66	Paul (IN-018)
	Marquette County WI	64	Carl (WI-054)
	Midland County MI	67	Susan Marie (MI-138)
	O'Hare airport	66	George
	Springfield IL.	64	Henery (IL-204)
	Wisc License updates	62	Larry (WI-005)
June 85			
	C.O.R.E.S Ohio	62	Dave (OH-127)
	Cook County south Fire	58	Jeff (IL-064)
	Illinois updates	59	Denny (IL-026)
	Jefferson County WI	60	Ernie (WI-024)
	Louisville KY Police	63	Paul (IN-018)
	Monroe County MI	61	Gene (MI-129)
	Wauwatosa PD WI	61	Ernie (WI-024)
July 85			
	C.O.R.E.S Ohio Cont.	57	Dave (OH-127)
	Columbus Fire OH	58	Dave (OH-127)
	Illinois Updates	58	Denny (IL-026)
	Louisville KY L.G.	60	Paul (IN-018)
	Wisc. County Highway(MAP)	61	Bob (WI-001)
August 85	No Column		
September 85			
	Indiana Dept of Highway (Map)	49	Dave (IN-002)
	Wisconsin DOT	53	Carl (WI-054)
October 85			
	Chicago Illinois	37	Bob (IL-157)
	Cleveland OH Police	37	Dave Jones
	Cook County IL	37	Bob (IL-157)
	Dane County WI	40	Scott (WI-039)
	Louisville KY Medical	41	Paul (IN-018)
	Med-Flight	39	Scott (WI-039)
	Michigan	38	Susan Marie (MI-138)
	Rock County WI	38	David (WI-035)
November 85			
	Chicago Snow Command	72	Michael (IL-014)
	Illinois Tollway	71	Kevin (IL-274)
	Wisconsin Updates	70	Larry (WI-005)
December 85			
	Index For 1985		
January 86			
	Detroit devils night	45	Anonymous
	Grand Rapids MI	46	Robert (MI-133)
	Henery Illinois	45	John (IL-217)
	Illinois Tollway	44	Denny (IL-026)
	Jasper IN	45	Dave (IN-002)

Kane County IL	46	Scott (WI-039)
Madison WI	45	Kevin (WI-079)
Madison Heights MI	46	Robert (MI-108)
Schaumberg IL	45	Gerald (IL-?)

February 86

Chicago Fire Dept	46	Mike (IL-014)
Detroit Devils night	47	(MI-108)
Fond Du Lac PD WI	48	Scott (WI-039)Carl (WI-054)
Marion County IL	48	Henry (IL-204)
Milwaukee WI	49	ED (IL-046)
Naperville IL	49	J.D. (IL-293)
Sanford MI	49	Susan Marie (MI-134)
Walworth County WI	46	Scott (WI-039)Carl (WI-054)
Wauwatosa WI	49	Ernst (WI-024)
Wisc County Highway Updates	46	Scott (WI-039)Carl (WI-054)

March 86

DUCOMM Dupage County	52	Editors Files
Illinois State police	50	Editors Files
Kane County IL	53	John (IL-012)
Ohio State Partol	51	Editors Files
Peoria County IL	53	(IL-272)

April 86

Indiana State PD Update	49	Editors Files
Indianapolis IN	50	Editors Files
Marion county IN	50	Editors Files
Peoria County IL	51	(IL-272)

MAY 86

Clark & Floyd Counties	55	Jeff (KY-023)
Illinois state Police	53	Martin (IL-125)
Jefferson County OH	56	Bob (OH-157)
M T S Indiana	55	Jeff (KY-023)
Wisconsin Updates	56	Larry (WI-028)

June 86

Clare County Sheriff MI	54	Susan Marie (MI-028)
Columbus Fire	53	Dave (OH-127)
Dekalb County Sheriff IL	52	John (IL-012)
Indianapolis Fire Dept	51	Richard (MD-068)
Marion County Fire	50	Richard (MD-068)
Ohio DNR	53	Editors Files
Oswego Fire Dept	52	John (IL-012)

July 86 No Column

August 86

Chicago Fire Dept	42	Mike (IL-014)
Chicago Police Dept	43	Ron (IL-310)
Chicago Fire Dept	40	Dave Marshall
Illinois Emergency Svc	44	Editors Files
Michigan Misc.	41	Anonymous

September 86

Berrien County MI	57	Jim (CA/SF-030)
Chicago Police Dept	56	Ron (IL-310)
Detroit	55	Robert (MI-108)
Reader Participation Pro.	58	David (WI-035)

October 86

Bloomington Il	52	Steve (IA-056)
Normal IL	52	Steve (IA-056)
Northern Michigan	53	Robert (MI-018)
Lake County Fire	54	Editors files
Lake County Sheriff	54	Editors files
Lake County Local PD's	54	Editors files
Cook County Sheriff	55	Editors files
Cook County Local PD's	55	Editors files

November 86
- Chicago Police Dept
- Illinois Highway
- Indiana Highway
- Kentucky Highway
- Michigan Highway
- Ohio Highway
- Wisconsin Highway

December 86
- Index For 1986

Illinois

Bloomington	10/86			
Chicago Fire	04/85	11/85	02/86	08/86
Chicago police	08/86	09/86	11/86	
Chicago Misc.	10/85			
Chicago Snow	11/85			
Cook county	06/85	01/85	10/86	
Dekalb County	06/86	05/85	03/86	
Henery Il	01/86			
Illinois Nuclear Safety	02/85			
Illinois Tollway	05/85	01/86	11/85	
Illinois DOC	01/85	02/85		
Illinois TRI-COM	01/85			
Illinois State Of	04/85	03/86	05/86	
Illinois Updates	06/85	07/85		
Illinois Emergency Svc	08/86			
Illinois Highway	11/86			
Kane County	01/86	03/86		
Lake County	10/86			
Marion Count	02/86			
Naperville	02/86			
Normal	10/86			
O'Hare Airport	05/85			
Oswego Fire Dept	06/86			
Peoria County	03/86	04/86		
Schaumberg	01/86			
Springfield	05/85			

Indiana

Clark & Floyd Counties	05/86			
Evansville IN	05/85			
Indiana Highway	01/85	09/85	11/86	
Indiana State Police	02/85	04/86		
Indianapolis	04/86	06/86		
Jasper	01/86			
M T S	05/86			
Marion County	04/86	06/86		

Kentucky

Louisville KY	05/85	06/85	07/85	10/85
Kentucky Highway	11/86			

Michigan

Berrien county	09/86			
Clare County	06/86			
Detroit	09/86	01/86	02/86	
Grand Rapids	01/86			
Madison Heights	01/86			
County road commissions	02/85			
Michigan Highway	11/86			
Michigan Misc.	10/85	08/86	10/86	
Michigan State Police	04/85			
Midland County	05/85			
Monroe County	06/85			
Sanford	02/86			
Warren Mich	01/85			

Ohio			
C.O.R.E.S Ohio	06/85	07/85	
Cleveland Police	10/85		
Cleveland Fire	08/86		
Columbus Fire	04/85	07/85	06/86
Jefferson County	05/86		
Ohio DNR	06/86		
Ohio Highway	11/86		
Ohio State Partol	03/86		
Wisconsin			
Dane County	10/85		
Fond Du Lac PD	02/86		
Jefferson County	06/85		
Madison WI	01/86		
Marquette County	05/85		
Med-Flight	11/85		
Milwaukee WI	02/86		
Rock County	10/85		
Walworth County	02/86		
Wauwatosa	06/85	02/86	
Map County Sheriffs	04/85		
Map County Highway Depts.	07/85		
Wisc County Highways	02/86	11/86	
License Updates	05/85	01/85	11/85
Wisconsin DOT	09/85		
Wisconsin Misc.	05/86		

That's it for this month, remember this column depends on your contributions please send them in. Lets make 87 another good year for PS/GL

till next month
Dave

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware, and District of Columbia:

Gary Saffer, 5 Roach Road, Stoughton, MA 02072

Hello, my name is Gary Saffer and I am the new PSNE column editor. First let me tell you a little about myself and then some things about what I'd like this column to be.

I'm an EMT employed by the City of Boston Emergency Medical Services. I've worked communications both as a dispatcher and as technical support and on the "street", what the Department officially terms the field. I also do some police work as a Special Officer for the town of Stoughton. I've owned many scanners during the past ten or so years but will spare you the details.

So much for me. Now on to what I'd like to do with the column, other than have it appear each month. I would like to fill it with all the stuff that you and I undoubtedly have tucked into notebooks and drawers and closets etc... . Massachusetts is covered pretty well by the Scanner Master book, but there is still a lot of information out there that isn't published. In addition, things are constantly changing as far as not only frequencies but callsigns, coverage, jurisdiction etc... go. If you know something and think that even one other person may want to know it, send it in and I'll print it. I noticed that I cited Massachusetts in the above statement, please do not get the idea that I am only interested in just my own state. I want to hear from the eleven states and the District covered by this column. I only use Massachusetts as an example because I am very familiar with it.

Another thing that I would like to do is an information exchange, if you want know something about a particular agency write to me and I'll include the request in the column. If I recieve an answer I'll publish it for everyone to read. This is not meant as competition for the Contact/Info Wanted column, but for more detailed

information. For example I would like to know the sector assignments and unit numbers now that the Brockton MA PD has changed to a new system. I'd also like to know the codes (if any) and unit numbers for the Taunton MA PD. If someone has them and would like to share, them send them in.

Finally I'd like to include a miscellaneous section to include all sorts of little bits and pieces too short to comprise a section by them selves. Herewith is an example:

Miscellaneous

Avon MA PD has changed to 154.785 simplex... Quincy MA FD has gone to T Band on 483.5375.... Boston MA FD has reactivated Rescue 2 working out of Engine 42's house on Columbus Ave. Boston EMS is now using 460.550 for some communications maintenance traffic with possible further exspansion.

I've noticed that some of the columns use logos in their headings, I have no strong feelings either way but would not be adverse to using one if enough people write to tell me they want one. Even better would be someone actually drawing one as I have no talent in that direction. If you submit one and I use it you will win a rare, and highly desirable picture of the current Boston EMS Ambulance Six with my personal and almost legible autograph. All entries are of course nonreturnable and the decission of the judge (me) is final. The winner will alsp get full credit and recognition in the column.

A few things to remember if and when you send me anything.
1. Make sure your name and RCMA number are on the item so I can give you the above mentioned full credit etc... .
2. Make it legible. I will retype anything going into the column, but I must be able to read it. Maps must be neat and legible.
3. No copyrighted material unless you are the author and include your written permission for it's publication in the Newsletter.
4. If you want a reply include a Self Addressed Stamped Envelope (S.A.S.E.).
I think that about covers any ground rules for the column except for one thing. This is a hobby and is supposed to be FUN, and is in fact just that to me. Part of the fun is sharing what you find out that's of interest to the rest of us so if you have something, send it in.

On to this month's "stuff":

Boston EMS

Richard Barnett did an excellent job describing this system in an earlier (June '82) edition of the Newsletter and a superb job in the second edition of the Massachusetts Scanner Master. Therefore I will limit myself to some updates and corrections to the information already available.

New Callsigns effective 9/10/86:

25 series (command staff)

25C-1 Administrative Director
25C-2 Operations Director
25C-3 Superintendent Field Operations
25C-4 Superintendent Training section
25C-5 Superintendent Communications section
25C-6 Deputity Superintendent
25C-7-11 Future Deputy Superintendents
25C-12-14 Captains
25C15 Future Captain

26 S series (Support Staff)

26S-51-54 Administrative Support Staff

26S-55 Fleet maintenance manager
26S-56,57 Mechanics
26S-58,59 Future use
26S-60 Supply Section Manager
26S-61,62 Supply Section Staff
26S63,64 Future use

Note that all 26C and 26R numbers have been discontinued, 26RS-1 is radio maintenance. Ambulance 3 and Ambulance 30 are the same unit, the callsign changes depending on whether it is staffed by EMT-A's or EMT-I's. The EMT-I level is being phased out. Also be aware that Boston Fire Dept. has no ambulances, the listing in Scanner Master is actually for a link to Boston C-MED.

Index

I have been requested by the General Editor to index the column for 1985 and 86. I have done so up until the September 86 issue as that was the latest isuue to appear at the time of my appointment. I believe that this is going to appear in the December issue, if so I will finish the index in time for the March 87 issue. That is of course unless I get advance information about the October and November issues. Here goes:

1985 index

Month	Topic	By
Jan.	Nassau County Fire Commission	Warren (NY-214)
Feb.	Massachusetts Community Listings	Richard (Editor)
March	New York State Police	Lohr (PA-178)
	Misc. Pittsburgh PA Frequencies	Mike (PA-153)
	Mass. Community Listings continued	Richard (Editor)
April	Mass. Community Listings continued	Richard (Editor)
May	Misc. Information	Richard (editor)
	Glouchester County NJ Police,Fire and EMS	Les (NJ-187)
June	No Column	
July	Monmouth County, NJ Police, Fire and EMS	
	N.J. Environmental Protedction Department	
	Buffalo NY Police Id's Frequencies Fire frequencies	
	Erie County, NY small town Police and Fire	Sheriff
	Wassaic, NY Developmental Center	
	NY State EMS	
	Bear Mountain, NY State Park	
	Connecticut State Prisons	
	Taconic State Parkway	
	NY Capitol Building Police	
	Catskill Rescue	
	Beacon and Fishkill, NY police	
	Poughkeepsie, NY police	
Aug	Index for 1981-82-83-84 complete	
Sept.	New York City Transit Authority	Sol (NY-209)
	New Paltz NY Police, EMS, Public Works	Arthur NY(022)
	New York State Police	Lohr (PA-178)
	Prince Georges County Police and Fire	Joe (MD-015)
Oct.	Hillsborough NJ Police codes	????
Nov.	No Column	
Dec.	No Column	

1986 index

Month	Topic	By
Jan.	No Column	
Feb.	No Column	
March	Newark NJ Fire	Tom (Editor)
	Patterson NJ Fire	Tom (Editor)
	Baltimore MD Police	Tom (Editor)
	University of Connecticut Health Center	Keith (CT-042)
April	Springfield NJ Police	Tom (Editor)
	Baltimore County Police	Tom (Editor)
	Prince Georges County Fire and EMS	Tom (Editor)
	Milford Conn Fire radio codes	Keith (CT-042)
	Waterbury Conn EMS	Keith (CT-042)
	Pennsylvania Update	Tom (Editor)
May	Rumors	Tom (Editor)
	New York State Police	Lohr(PA-178)
	Maryland State Police	Joe (MD-015)
		Alan(MD-069)

	Misc. New York State Frequencies	Kevin (NY-314) Arthur (NY-022)
	New York City Fire Update	Warren (NY-214)
June	No Column	
July	Trenton NJ Police, Fire and EMS	Hank (Editor)
August	No Column	
Sept.	New Jersey State Police	Hank (Editor)

Well that's all for this month,

PUBLIC SAFETY WEST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming to:

George N. Hoggatt
17473 E. 16th Dr.
Aurora, CO 80011

PUBLIC SAFETY WEST
1986 INDEX
BY MONTH

JANUARY
Colorado — Denver
Aurora
Washington — King County

February
Colorado — Aurora
Parker FPD
CU Medical Center
Stapleton International Airport
State Department of Health
Washington — King County
Seattle
State Police

MARCH
no column this month

APRIL
Idaho — Misc
Nevada — Sparks

MAY
Arizona — Tucson area
Colorado — Stapleton

JUNE
no column this month

JULY
Arizona — Pima County - Tucson
Colorado — Stapleton
Hawaii — Hawaii County
Oregon — Eugene
Coos Bay
Washington — King County
Control 10
Kirkland
Bellevue
Metro Transit

AUGUST
no column this month

SEPTEMBER
Oregon — Portland

OCTOBER
no column this month

NOVEMBER
Colorado — Denver
Montana — Misc

DECEMBER
This index

BY SUBJECT

ALASKA
No usable Alaska this year (One reprint was submitted but club policy prohibits using reprints even with permission)

ARIZONA
Tucson area Pima County - May, July

COLORADO
Denver - January, October
Aurora - January, February
Parker FPD - February
CU Medical Center - February
Stapleton Airport - February, May, July
State Health Department - February

HAWAII
Hawaii County - July

IDAHO
Misc. - March

MONTANA
Misc. - November

NEVADA
Sparks - March

New Mexico
No data submitted this year

OREGON
Eugene - July
Coos Bay - July
Portland - September

UTAH
No data submitted this year

WASHINGTON
King County - January, February, July
Control 10 - July
Kirkland - July
Bellevue - July
Metro Transit - July

WYOMING
No data submitted this year

PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia and Virginia:

Jorge L. Rodriguez, 1129 Castile, Coral Gables, FL 33134

NO COLUMN THIS MONTH

PUBLIC SAFETY—CALIFORNIA

P.O. Box 3962 Santa Fe Springs, California 90670-1962

'Twas the night after Christmas, and all through the house,
Scanners were blaring, (even one for the mouse).
The Highway Patrol, chasing drunks on the road,
Even cellular phones are busy, (or so we are told).
We dealt with the "Act" that would restrict our joy,
But still made our lists, hoping for that new toy.
And so we, the editors, say to our following:
"Happiest of Holidays, and Continued Monitoring."
[Apologies to Charlie Osgood.]

With that bit of Christmas cheer, on to this month's column...

A correction on the UCLA Police and Medical freqs: 155.475 Mhz should be labeled "Tac 5" and not Tac 3.

From Missy [CAMR-001]: She provides some answers to George's [CATO-001] questions about the flooding in Yuba County. "Delta Control" is the name used by the Department of Water Resources [DWR] Area Control Center, near Tracy. Normally their units are in the 400 series, but during the flood, vehicles from all over were in the flood area. Unit 146 probably came from the Oroville area, and according to Missy, George was hearing this from a repeater located on Mt. Diablo [near Concord]. Missy also has included the DWR numbering system:

100 series: Based in Oroville area
200 series: Based in the Red Bluff area
300 series: Based in Sutter and Sacramento Maintenance Yard
400 series: Delta Field Division near Tracy
500 series: San Luis Field Division near Los Banos and Fresno

From Bill [CAVE-010]: Bill also sheds some light to George's question and some answers for the Inquiry Channel. Info was obtained from FCC microfiche dated Jan/Feb 1984:

154.935 is licensed to State of California, statewide, with 3000 mobiles. Service group PP [police].

507.7125 has numerous licensees with different call letters at Sierra Peak, near Corona. All in service group IB [business]; probably sharing the same repeater. They are as follows:

KB6560	Case Concrete Pumping	Riverside
KNT204	Case Concrete Pumping	Riverside
KBP959	Eskimo Radiator Manufacturing Company	Los Angeles
KNA375	Edward Pollock, Glendale Blueprint Co.	Glendale
KNO512	Active Delivery Service	North Hollywood
KNP200	Volwood Corp.	Burbank
KNP395	Jose Fernandez	Huntington Park
KNP803	Mitchell Cement Contracting Co., Inc.	Panorama City
KZU993	Magic Carpet Ambulette Corp.	Orange

WIF923	Kim In Hong and Kang Heun Koo [United Business Motion Company]	Los Angeles
WIG321	J C Randall Services	Long Beach

151.085 is licensed to various local governments. Service group PH [highway maintenance]. Those is central California are:

KMF272	Fresno, County of	(repeater)	Coalinga
KPA518	Fresno, County of	(repeater)	Dunlap
KMK878	Fresno, County of	(repeater)	Meadow Lakes
WCC970	California, State of	(Ingram Ranch)	Monterey
KGU558	California, State of	(Mount Toro)	Salinas
KNDS861	Fresno, County of	(repeater)	Squaw Valley
KAZ877	Sacramento, County of	(repeater)	Vacaville
KAZ878	Sacramento, County of	(repeater)	Woodland

151.205 is licensed to State of California Department of General Services at numerous sites with bases and repeaters. Service group PO [forestry conservation]. No other licensees on this frequency in California.

WGI324 is held by State of California Department of General Services.
Vicinity of operation: Jamestown CA.
Control Point: Sierra Conservation Ctr, Jamestown CA.
Service group PL [local government].

453.050	1 base, 1 repeater, 15 mobiles, 10 pagers, 80 handhelds
453.325	15 mobiles, 10 pagers, 80 handhelds
453.850	1 base, 15 mobiles, 10 pagers, 80 handhelds
458.850	1 link, 15 mobiles, 10 pagers, 80 handhelds

From Name Unknown [CALA-093]: Some more answers for the Inquiry Channel. 154.935 Mhz is portable only CLEMARS, licensed to the State of California, and usable by any law enforcement agency [with State permission]. It is used typically for surveillance and other low-power situations. 151.805 Mhz is licensed to Fresno County Public Works, Sacramento County Road Department, and Caltrans [in Monterey]. The second is most likely, considering the Yuba County flooding. Re: 151.205 Mhz - licensed to the State Water Resources Agency which has a "Delta Division." Re: 453.325 Mhz and 453.850 Mhz - The Jamestown WGI324 is the Rehabilitation Center runned by the State Department of Corrections [unable to confirm 453.050 Mhz]. Per CALA-093, most of this info comes from the "Government Radio Systems" publication "..an excellent source for public safety agencies in California..." Final words from CALA-093: Frequencies to come - Look for Orange County to activate 460.550 Mhz in various cities; Barstow PD on 155.730 Mhz, in addition to their current freq; and Tehachapi Valley Recreation Dist on 155.760 Mhz.

154.935 Mhz has also been identified as being used by the Theo Lacy Facility [Orange County Sheriff "Minimum Security" Jail] in the city of Orange.

From Craig [CAVE-011]: LA City Fire Department is now using the following for hazardous material incidents:

1.	856.2375/811.2375	2.	858.2375/813.2375
3.	856.4375/811.4375	4.	860.4375/815.4375
5.	860.9375/815.9375 Primary Tactical		

Craig adds to listen to the higher freq [lower freq is input].

From Art [ ]: "On at least 2 occasions you published the CHP 'link' freqs. Neither time was the freq on Government Peak/Randsburg listed [the 'local yocal' CHP repeater near Ridgecrest]. The links use a highly directional antenna, and transmit in a narrow cone. Good luck trying to hear one if you are not in the straight line between

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the repeater and the base station. One list calls it 'Control Freqs' and the other list calls it 'Remote sites.' I was told by a friend that each pair of CHP freqs always use the same link freq. Like the 'Orange' freq [which is used about 5 times] always uses the same link freq. However, with the data I have, I don't think thats true, or rather, I can't verify it. I also hear that the State is going to abandon its 70-75 Mhz freqs because they have a microwave system now in operation, where any dispatcher can touch-tone any mobile unit in the State. This also sounds like its of no value to anyone not in line between repeaters."

And now to the Inquiry Channel:Can anyone locate the frequency of the "California Land Management" [a security company and collector of fees at campsite in the area of Lake Tahoe?] You guys [and gal] did fantastic for October: Let's top that for December.

From Ken [CAOR-260]: Does anyone know the freqs for the following? Superior Ambulance in Orange County; Conva Care Ambulance in Orange County [155.205 Mhz]; the 800 freq for Major Ambulance [no longer on 47.580 Mhz]; and Russell Transportation in Orange County [852.5875 R Mhz]. Ken would also like information on the new CDF radios, and the renumbering of their units in So Cal ["...now Region 3?..."] Ken is also interested in communicating with other members in the Huntington Beach area.

From Randy [CAOR-230]: Monterey Co. Sheriff - Unit Numbering System

1st Digit = Repeater Tone
1 Mt. Toro [Salinas]
2 Empire Gr. [Boulder Creek]
3 Little River Hill [Pt. Sur]
4 Williams Hill [Lockwood]
5 Anderson Pk. [Big Sur]
[NOTE: 1st digit sometimes deleted]

-S1A Patrol-Pajaro, Aromas
-S1B Patrol-Hall, Dunbarton
-S2A Patrol-Moss Landing
-S2B Patrol-Castroville
-S2C Patrol-Prunedale
-S3A Patrol-N/o Salinas
-S3B Patrol-E/o Salinas
-S4A Patrol-N/W of Salinas
-S4B Patrol-Spreckels
-S5 Patrol-Chualar, Gonzales area
-S6A Patrol-Monterey/Del Rey Oaks
-S6B Patrol-San Benancio, Toro Park
-S7 Patrol-Pebble Beach
-S8A Patrol-Carmel Highlands, Carmel area
-S8B Patrol-Carmel Valley
-S9 Patrol-Big Sur, Lucia
-S10A Soledad/Greenfield/King City area [W/o US 101]
-S10B Soledad/Greenfield/King City area [E/o US 101]
-S11 Patrol-San Arde, Jolon, San Lucas
-S12 Patrol-Bradley,Lockwood Parkfield
-S20--29 Rover units
-S30--39 Sergeants [Monterey]
-S40--49 Sergeants [Salinas]
-S50--59 Sergeants [King City]

A1 Sheriff
A2 Chief - Operations
A3 Chief - Administrative
A4 Chief - Corrections
A5--9 Miscellaneous Administrative
D# Detectives
J# Jail, Transportation
K1--4 Coroner Deputies
K91--3 Canine Deputies
M# Maintenance
R# Search and Rescue
X# Special Assignment

Control Points

1
2 Mobile CP
3 Salinas Station
4 Salinas Records
5
6

Dispatch Points

"Salinas" SO, North County, Salinas, South Co FPD's, Salinas PD and FD, Ambulance Roads, Parks

"Monterey Center" Peninsula, Big Sur, Carmel Valley SO, City PD's and FD's, Roads Parks, Ambulance

Monterey Co. Fire Districts Numbering

0--10 units Spreckels FPD
100 units Salinas Rural FPD
130 units King City FD
140 units Greenfield FD
150 units Soledad FD
160 units Gonzales FD
170 units North County FPD
180 units North County FPD
4500 units Aromas FPD

Ambulance Services

801--805 Salinas A-1
840--850 Soledad Ambulance
850--851 Mee Ambulance [King City]

Dispatched by "Salinas"
158.745 R Paging
463.025 R Dispatch A-1,Soledad
463.100 R Dispatch Mee

All dispatched by "Salinas" 154.370 R

Randy is also requesting info on other County Fire Districts, and any other Monterey County info. Randy has also included the Numbering System for Irvine PD.

FIGURE 1-19
IPD UNIT NUMBERING SYSTEM

All police units in Orange County are assigned five-digit numbers. The first two numbers represent the station number. For example, "39331" is a police unit for Station 39, Irvine Police. The assignment of the last three digits vary from agency to agency. The following are the assignments for IPD.

ADMINISTRATION

39000	Chief of Police
39001	Commander-Special Services
39002	Commander-Field Services

STAFF SERVICES

39700	Manager
39710	Supervisor
39701-09	Technical Services

PATROL

39100	AM Shift Lieutenant
39200	Day Shift Lieutenant
39300	PM Shift Lieutenant
39*10	Field Supervisor
39*20	Field Supervisor
39*30	Field Supervisor
39*11	Patrol Unit Area 1
39*21	Patrol Unit Area 2
39*31	Patrol Unit Area 3
39*41	Patrol Unit Area 4
39*51	Patrol Unit Area 5
39*61	Patrol Unit Area 6
39*71	Patrol Unit Area 7
39*81	Patrol Unit Area 8
39*01	Patrol Unit South City Cover
39*02	Patrol Unit North City Cover
39*03	Patrol Unit All City Cover
39*04	Patrol Unit Crime Scene Inv'r
39*05	Patrol Unit Booking Detail
39*91-93	Civilian Report Specialists
39410	CSU Supervisor
39411-13	CSU Officers

* Denotes Unit Assignment by Shift:
1 - AM 2 - Day 3 - PM

TRAFFIC

39500	Lieutenant
39510	Sergeant
39520	Traffic Investigator
39540	Special Events Sergeant
39501-09	Motorcycle Officers
39511-19	Enforcement Officers
39521-29	Civilian Traffic Investigators
39541-49	Special Event Officers
39561-99	Police Explorer Scouts

INVESTIGATION

39600	Lieutenant
39610	Sergeant
39620	Sergeant
39601-09	Specialized Investigation
39611-19	General Investigation
39621-29	Narcotics
39631-39	Civilian Investigative Aides

ANIMAL SERVICES (PUBLIC SERVICES)

39640	Supervisor
39641-49	Animal Services Officers

SUPPORT SERVICES

39670-79	Planning, Research and Training
39680-89	Preventative Services

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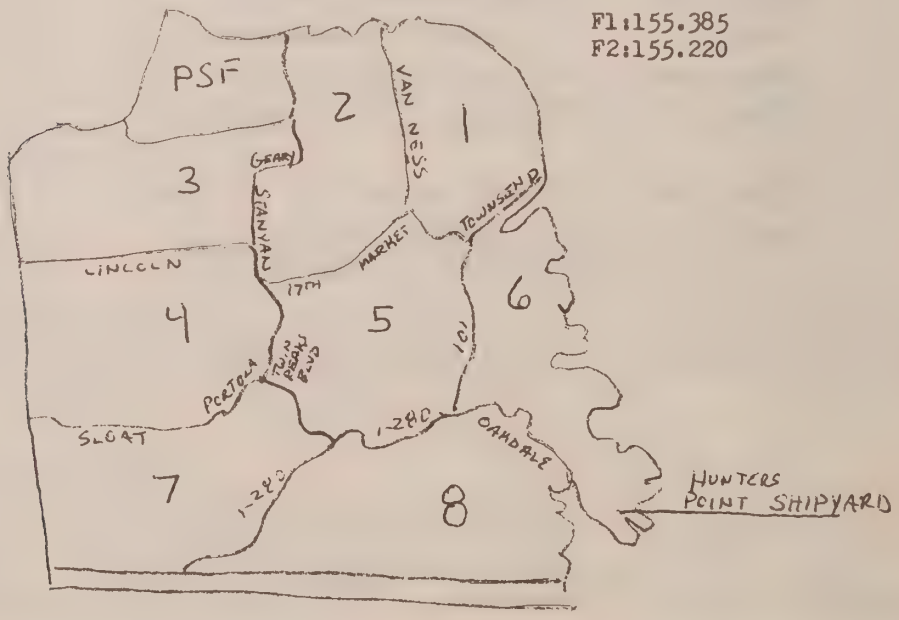
From Ed [ ]: A new computer-aided dispatch system is expected to speed up police and fire responses to emergency calls in San Bernardino County. The CADS system was funded by $7 million in bonds and grants, and will cause the renumbering of fire equipment [as well as stations], for faster responses. Fire Departments in Victor Valley Apple Valley, Hesperia, Lucerne Valley, and Wrightwood areas are now using the new CADS numbering system. The remaining fire departments should be renumbered and tied into the system by Jan 1 [1987]. The renumbering is expected to eliminate the confusion caused by duplication in equipment enumeration. The CADS system will also cut file searches [of locations, available equipment, etc.] from the current 30-120 second time-frame [checking response cards by hand] to a few seconds [by CADS].

From Alan [MD-069]: He has included an article entitled "Mobile Data Dispatch: The LA Project" by Charles R. Farris [appears in "Personal Communications Technology," Jul/Aug 1986]. The article deals with the multi-million project by LASO for the development and use of Mobile Data Terminals [MDT]. The MDT's will be used with the current CADS system, to relieve the congestion of the current radio system. Since 1975, when the Sheriff's Radio Center [SRC] became operational, there has been a steady increase of radio and data transmission. The 1975 system update was designed to handle a desired increase of 29 million transmissions per year [193% over pre-1975 level of 15 million]. But a steady increase since 1975, has put the current operational level of 61 million transmissions per year--a 307% increase. The MDT'S are designed to relieve this congestion by reducing air time usage by 50% once it is operational. ElectroCom Automation [ECA] of Arlington TX, has been selected to perform the upgrade of the LASO system. This new system will be incorporated with the recent FCC decision allowing the use of TV channel 16 [482-488 Mhz] to replace the outdated LASO radio system. The article further states several of the 470 Mhz channels will be used for the MDT's [contrary to the FCC's ruling that LASO must relinquish all present channels, including the 470 Mhz. LASO is currently appealing that part of the decision].

As a public service announcement, the PS-CA editors would like to inform all that the current "Fox Scanner Listings" book is out. This edition [RL 016-2] covers LA and Orange Counties. In addition to public safety agencies, this book also covers many business, utility, amateur radio, and forestry services, as well as 800 Mhz services and cellular telephone. The book is available at most scanner and ham radio shops. To find the nearest dealer, or to order a copy of the book, call Fox Marketing at their toll-free number: 1-800-543-7892.

To conclude this episode of PS-CA, we have the following: A map and info on the San Francisco Department of Public Health/Paramedic Division.



SAN FRANCISCO DEPT OF PUBLIC HEALTH, PARAMEDIC DIV

This map represents the eight ambulance service zones of the SFDPH. Normally, SFDPH operates nine paramedic ambulances on the day and swing shifts, and five on the graveyard shift. There is also a mass casualty response vehicle stored at paramedic division's headquarters on 50 Ivy Street, San Francisco.

It should be stressed that the paramedics in San Francisco are independent of the SFFD. However, in recent years, the SFFD has begun responding to more medical aid calls. While the SFFD has a 3-minute response time goal, the SFDPH has a 6-minute goal for Code-3 runs. However, for many reasons, the paramedics arrive between 7-10 minutes on Code 3 runs.

The newly passed 1986-87 budget includes funds for a major overhaul of the paramedic dispatch facility (also 50 Ivy St.). Dispatch is normally staffed with two paramedics. Funds were also included to purchase two BLS ambulances. This would allow SFDPH to choose BLS or ALS response on medical calls.

San Francisco employs about 60 full-time paramedics in the paramedic division. When Code-3 calls exceed available units, DPH will call upon private ambulance companies (on contract) to handle the backlog. Unfortunately, there are wrinkles in the system (e.g., who pays, who collects?). These problems are being worked on.

RAILROADS

Gary L. Sturm and Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:

Bill Farmer, P.O. Box 1838, Thousand Oaks, CA 91360

In the December 1984 issue of the Newsletter we published an index to the Railroads Column covering 1979-1984. In December 1985 we presented an index for 1985 and this month we will do the same for 1986. Again we will divide the subject listings into two parts; the first part lists the names of specific railroads covered, and the second part lists general articles which do not relate to any specific railroad.

INDEX TO THE RCMA RAILROADS COLUMN—1986

Before we get to the railroad and subject listings, here is a summary of the articles which appeared each month:

JANUARY:
- Union Pacific Feather River Division
- Huckleberry Railroad
- British Columbia
- Talking Defect Detectors
- Lake Michigan Ferries
- Miscellaneous Short Items
- State Transport Authority—Adelaide, South Australia

FEBRUARY:
- Canadian Pacific (CP Rail)
- Canadian National
- Vancouver (BC) ALRT
- San Diego Trolley
- Tampa, Florida
- Cape Cod & Hyannis
- Queensland Railways (Australia)
- Advanced Railroad Electronic System

MARCH:
- Vancouver, British Columbia
- San Diego Trolley
- Australian National Railways

APRIL:
- Miami Metrorail
- Washington (DC) Metro
- Chicago & North Western Talking Detectors
- North Easton, Massachusetts
- Danville, Illinois
- British Railways
- AAR Frequency Assignment Plan changes-Part I-Shortlines

MAY:
- New York
- San Francisco Bay Area
- Atlanta, Georgia
- Union Pacific PBX
- AAR Frequency Assignment Plan changes-Part II-Major Railroads A-M

JUNE:
- Santa Clara County (Calif.) Transit
- Metro-North Commuter Railroad
- Hamersley Iron (Australia)
- AAR Frequency Assignment Plan changes-Part III-Major Railroads N-Z

JULY:
- Southeastern Pennsylvania Transportation Authority (SEPTA)
- Tonawanda, New York
- Misscellaneous Frequency News
- Soo Line Gets New Radios
- Southern Pacific Hazardous Materials Units
- British Rail

AUGUST:
- Shortline Study
- Travels on Amtrak
- Australia-Wide Allocation

SEPTEMBER:
- Metro-North Commuter Railroad
- San Diego Trolley
- Shortline Roundup
- British Rail

OCTOBER:
- San Francisco Bay Area
- Camden, New Jersey

NOVEMBER:
- Burlington Northern
- Louisiana
- New FCC Data

DECEMBER:
- Index to RCMA Railroads Column-1986

RAILROADS

Aberdeen & Briar Patch	Nov				
Ahnapee & Western	Sep				
Allegheny	Aug				
Allegheny Southern	Apr				
Amtrak	Apr	May	Jul	Aug	Oct
Apalachicola Northern	Apr				
Appanoose County Community	Apr	Sep			
Aroostook Valley	Sep				
Atchison, Topeka & Santa Fe	Apr	May	Oct	Nov	
PBX	Jan				
Austin, Todd & Ladd	Sep				
Australian National	Mar				
Baltimore Region Rapid Transit System	Jan				
Bay Area Electric Railroad Association	May				
Bay Colony	Apr				
Bloomer Line	Apr	Aug			
Blue Mountain & Reading	Nov				
Boston & Maine	Apr				
British Columbia Railway	Jan	Mar			
British Columbia Hydro	Jan	Mar			
British Railways	Apr	Jul	Sep		
Brownsville & Rio Grande International	Sep				
Burlington Northern	Jan	May	Aug	Nov	
Canadian Forest Products	Jan	Mar			
Canadian National	Jan	Feb	Mar	Jul	
Canadian Pacific (see CP Rail)					
Caney Fork & Western	Aug				
Cape Cod & Hyannis	Feb				
Cedar Valley	Apr	Sep			

Central Montana	Apr	Aug			
Chessie System	May	Jul			
Chicago & North Western	Apr	May	Jul		
Chicago Central	Oct				
Chicago Union Station	Nov				
Conrail	Jan	Apr	May	Jul	Aug
	Oct				
Coors Brewery	Jan				
CP Rail	Jan	Feb	Mar	Jul	
Delaware & Hudson	May				
Delaware Coast Line	Sep				
Denver & Rio Grande Western	May				
DeQueen & Eastern	Apr				
Detroit, Toledo & Ironton	May				
Dry Valley	Nov				
Duluth, Missabe & Iron Range	May				
East Camden & Highland	Apr				
East Tennessee	Aug	Sep	Oct		
Esquimalt & Nanaimo	Mar				
Eureka Southern	Apr	Sep			
Georgia Marble Company	Jan				
Green Bay & Western	Sep				
Gulf & Mississippi	Jan	Apr	Jul	Nov	
Hamersley Iron (Australia)	Jun				
Hartwell	Sep				
Housatonic	Apr				
Houston Belt & Terminal	May				
Huckleberry RR	Jan				
Hutchinson & Northern	Sep				
Illinois Central Gulf	May	Aug			
Indiana & Ohio	Apr	Sep			
Indiana Eastern	Apr				
Jefferson Warrior	Sep				
Kankakee, Beaverville & Southern	Apr				
Kansas City Southern	May				
Kelley's Creek & Northwestern	Sep				
Keokuk Jct.	Aug				
Kyle	Nov				
Lackawanna Valley	Sep				
Little Rock Port	Sep				
Long Island	May				
Mary Lee	Sep				
Massachusetts Bay Transportation Authority	Apr				
McCloud River	Apr				
Metro-North Commuter	May	Jun	Jul	Sep	
Metropolitan Atlanta Rapid Transit Auth.	May				
Miami Metrorail	Apr				
Michigan Northern	Apr				
Michigan, Wisconsin Transportation Corp.	Jan				
Midsouth Rail	Oct				
Minnesota Valley Transportation Co.	Sep				
Missouri-Kansas-Texas	May				
Missouri Pacific	May	Aug			
Monongahela	May				
Mount Washington Cog	Apr				
National Railway Historical Society	Nov				
New England Southern	Sep				
New Georgia RR	May	Aug			
New Jersey Transit	Jun	Nov			
New York City Transit Authority	Apr				
Nittany & Bald Eagle	Aug				
Norfolk & Western	Apr	Jun			
North Carolina Ports	Sep				
North Shore	Apr	Aug			
Northwestern Pacific	Apr				
Ontario Central	Jul				
Ontario Midland	Jul				
Pend Oreille Valley	Apr				
Philadelphia, Bethlehem & New England	Apr				
Pittsburgh & Lake Erie	Jun				
Port Authority Trans-Hudson (PATH)	May				
Port Authority Transit (PATCO)	Oct				

Port Royal	Apr				
Providence & Worcester	Apr				
Puget Sound Railway Hist. Assn.	Apr				
Queensland Railways (Australia)	Feb				
Reserve Mining Co.	Apr				
Rock Island	Jun				
Saltville	Apr				
San Diego & Arizona Eastern	Apr				
San Diego & Imperial Valley	Apr				
San Diego Trolley	Feb	Mar	Sep		
Santa Clara County (CA) Transit	Jun				
Seaboard System	Jan	Feb	Apr	May	Jun
	Jul	Aug	Nov		
Seattle & North Coast	Apr				
SEPTA (Philadelphia)	Apr	Jul	Oct		
Shore Fast Line	Sep				
Soo Line	Jun	Jul			
South Brooklyn	Apr				
South Buffalo	Jul				
Southern	Jun	Aug			
Southern Calif. Rapid Transit District	Apr				
Southern Pacific	May	Jun	Jul	Oct	
St. Louis Southwestern (Cotton Belt)	Jun				
St. Maries River	Sep				
State Transport Auth.-Adelaide, S. Australia	Jan				
Steam Locomotive Corp. of America (Steamtown)	Apr				
Stone Mountain Scenic	Apr	May			
Strasburg	Sep				
Tennken	Sep				
Texas Northwestern	Apr				
Texas, Oklahoma & Eastern	Apr				
Tidewater Southern	Apr				
Tuscola & Saginaw Bay	Apr				
Union Pacific	Jan	May	Jun		
PBX	May				
Vancouver (BC) SkyTrain	Feb	Mar			
Vancouver Wharves	Mar				
Washington (DC) Metro	Apr				
West Jersey Short Line	Apr	Sep			
West Tennessee	Apr	Sep			
Winston-Salem Southbound	Apr				

SUBJECTS COVERED IN GENERAL ARTICLES

Advanced Railroad Electronic System	Feb				
Association of American Railroads Frequency Assignment Plan	Apr	May	Jun		
Australia	Jan	Feb	Mar	Jun	Aug
Defect detectors	Jan	Apr			
Lake Michigan Ferries	Jan				

Happy Holidays... —Gary & Bill

RCMA SPECIAL FEATURE

PRIVACY ACT ALTERNATIVES

Commentary and Opinions by Mike Redman
(MO-002)

At this writing in Mid September the future of the Electronic Communications Privacy Act is uncertain but foreboding. I have

done my share of letter writing and calling, but limitations on time and money have prevented me from travelling to Washington D.C. for personal intervention. I salute Bob Horvitz for his vast time, effort, and cash expenditures on our behalf. Since I am employed by a local government entity, there is only so much I can do with politics being a factor. As for the complacency of most of our elected officials, we will remember their attitudes to the ballot box. Rather than rant and rave as others have done, let me expound on some creative solutions to retaining our monitoring capabilities and reasons and excuses for owning and using radio equipment. A reminder that there are 666 cellular frequencies will give you an idea where the evil in the Privacy Act is derived.

I have recently become licensed on a pair of G.M.R.S. (old Class A CB) frequencies. G.M.R.S. stands for General Mobile Radio Service. Eight pairs of channels are available to anyone- business entities, individuals, or local governments. One can operate in the simplex or duplex mode, with repeaters if you wish. Even in the St. Louis area, these channels aren't all that crowded. If you foresee purchase of such equipment and licensing as such, then your monitor can be an adjunct to your system, to aid you in selecting a frequency, searching for interference, and solving intermodulation problems. Some entrepreneurs operate community or shared repeaters on these frequencies; if you can find one of these you can save the cost of a repeater and pay a monthly rental. Or, you can purchase a community repeater and let the users pay for it. Applications are filed on F.C.C. form 574, available with instructions from the nearest F.C.C. office, and the license is free. You should read Part 95 of the rules and regulations before applying to determine what type of system you require and to become familiar with the rule sections. Available frequency pairs are:

462.550/467.550 Mhz.	462.650/467.650 Mhz.
462.575/467.575 Mhz.	462.675/467.675 Mhz.
462.600/467.600 Mhz.	462.700/467.700 Mhz.
462.625/467.625 Mhz.	462.725/467.725 Mhz.

This is one alternative you may consider.

I have begun my own business providing communications consulting services. Since I conduct business, I qualify for a business band license. You don't have to be incorporated or own a store - just be in business- examples are: service stations, floral delivery, consulting, lawn mower repair, printing, etc. Once again we have a valid use for owning and licensing radio equipment where a monitor receiver could be considered as part of the system. There is a group of VHF high band frequencies available without the need for frequency coordination. An F.C.C. form 574 is all that is required, and a scanner will be needed to locate the quietest of the available channels in your area, and of course, resolve any interference problems that arise. Perhaps you can encourage your employer to purchase such a system if he/she does not already have one. You should obtain a copy of Part 90 of the rules and regulations to familiarize yourself with this practice. Used equipment is on the market; it doesn't have to be new and expensive.

Having read and digested the House of Representatives Report 99-647 on the evil Electronic Communications Privacy Act, I would like to quote from page 42 in what might be the best defense yet to retain monitoring capability:

> "Amateur radio communications, including those using telephone interconnect or amateur radio computer linked message systems, are certainly not those to which this legislation is aimed. <u>All</u> amateur radio communications conducted on radio frequencies allocated to the Amateur Radio Service are exempt from the electronic communications intercept provisions of this bill. It should be noted that amateurs, in performing their public service functions, occasionally utilize communications of other services, such as NOAA weather broadcasts and the like. As such, many amateurs employ 'scanner' receivers which are capable of

receiving communications of many different radio services (including amateur VHF and UHF communications typically).

THE USE OF, AS AN EXAMPLE, A MULTIBAND RADIO RECEIVER BY A LICENSED AMATEUR SHOULD NOT SUBJECT THE AMATEUR TO CRIMINAL PROSECUTION OR HARASSMENT IN ANY FASHION.

Amateurs have legitimate reason to monitor frequencies outside the amateur bands. Many amateurs, for instance, are enrolled in the Military Affiliate Radio System [MARS] and the Civil Air Patrol, which use frequencies assigned to the Department of Defense. Others are members of the Coast Guard Auxiliary using frequencies in the Maritime Service allocation. Some 30,000 amateurs are part of Skywarn, a system operated by the National Weather Service for tracking and warning of severe weather conditions, e.g., tornadoes; at times it may be required that they monitor Government frequencies in connection with this work. In short, there is legitimate reason for amateurs to have equipment which tunes beyond amateur bands."

The message is clear: amateur radio operators are not to be harassed or prosecuted! I and five members of our local chapter are enrolled in a Novice class. The present session is to be followed in the Spring by an advanced level of instruction to prepare us for the Technician/General ticket. I recommend to everyone that they take similar classes in their locality. If there is no local amateur club in your area, write to the A.R.R.L. (Amateur Radio Relay League) at 225 Main St., Newington, CT. 06111. Purchase a copy of "Tune in the World" with code tape ($10.00). This book contains all the information to study for the Novice license, the first of a series of amateur classes of license. And the code really isn't that hard to learn. On page 191 of "Tune in the World" is an advertisement for R.C.M.A. member Gordon West's Radio School, another excellent source of study. So, don't waste any time - get YOUR amateur license. Really, it's only natural that us radio hobbyists should take the next step in radio and transmit as well as receive- and provide a much needed public service to the agencies you monitor daily.

Yet another suggestion is to become involved with your local disaster service organization, such as the American Red Cross or Salvation Army. While performing needed volunteer services for these worthwhile organizations, you will find that monitor receivers and folks who know how to use them are an important resource. They help the local chapter locate and coordinate the proper response to emergencies and disaster. In this area, each Red Cross disaster response unit carries a scanning monitor. Key chapter personnel also use scanning receivers in their homes, offices, and vehicles, again, to be alerted to potential problems as they occur. Here, then, is yet another valid reason for owning and using monitor receivers.

To obtain a copy of the F.C.C. Rules and Regulations, Parts 90 and 95, I suggest the following:

"Code of Federal Regulations,
Title 47, Part 80 to end."

This is available from any U.S. Government Bookstore located around the country. Cost was $18.00 a few months back, and to verify the price, call 202-783-3238. This book includes not only Parts 90 and 95, but also rules and frequencies for aviation, maritime, microwave, and amateur radio. The book is updated each October.

These suggestions are offerred to provide consolation and hope to our radio monitoring hobbyists in light of the basic rights violations of the Privacy Act and to let you

know that all is not lost. I hope that you can use at least one of these ideas, and the licensing of all of us as amateurs is something we all can accomplish. If I may assist you with more information on any of these topics, feel free to write to me with a self-addressed stamped envelope, and I will try to help:

Mike Redman (MO-002)
P.O. Box 49
High Ridge, MO. 63049

Hang in there folks, all is not lost!

VHF MARINE

Send information, articles, frequencies and their use, and questions that relate to private, commerical, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 4122 Granby St., Norfolk, VA 23504

Hello and welcome to your December 1986 VHF Marine Column.

This month as per instructions I will try to give you an index on what areas have been featured in this column this year.

JANUARY 1986: New York - FCC Frequency Crackdown - New York City Area
Georgia - St.Simon Area
Florida - Jacksonville-Mayport Area
Canada - Montreal Area
California - San Francisco - Fleet Week
Maine - C.G.Frequencies & Information
New Jersey - Book on Tugboats ("On the Hauser")

FEBRUARY 1986: California - Alameda area - CG Air Stations & misc. other CG Units

MARCH 1986: Maryland - 5th.CG District information
Virginia - 5th.CG District information
District of Columbia - 5th. CG District information
North Carolina - 5th. CG District information
(The above includes Radio equipped units & stations)
(Marine Information Broadcasts)
(Weather Channels)
(SAR & Common Frequencies)

APRIL 1986: Florida - Challenger Spacecraft diaster
Florida - 7th.CG Dist. Marine VHF Frequency Coverage Range
Florida - 7th.CG Dist. Cutter List
Florida - 7th.CG Dist. Unit List

MAY 1986: Massachusetts area
Rhode Island Area
Florida Area
Florida - 7th. CG Dist. Small Boat Assignment List
California - Stockton Area
Canada - Vancouver,B.C. - EXPO86 Story

JUNE 1986: 2nd.CG District River Systems Information
Information from the Mississippi,Illinois,Missouri,Ohio, Arkansas,Kanawha,Mononogahala,Allegheny,Tennessee,White, Cumberland and St.Croix Rivers and the Ouachita-Black Waterway.
CG Hi-Level VHF Radio Units
Notice of Mariners
CG Operating Facilities
Drawbridges with Radio Facilities

JULY 1986: California-LA - Marine frequency list.
---------- Maine - CG follow-up and marine information
Massachusetts - CG follow-up and marine information
Maryland - Radio weather stations
Virginia - Radio weather stations
North Carolina - Radio weather stations
Time comparision chart between: Eastern Standard
Univerisal Coordinated Time
Daylight Time
Comments on a magazine article from "Offshore" on
"Operation Sail 86"

AUGUST 1986: Michigan - Detroit River Area information
---------- - CG Air Station Detroit
California-SF - Fort Point Open House
Massachusetts - Marine Radio Profile (Part 1)

SEPTEMBER 1986: New York - CG Units in the Oswego area
---------- Oswego Sheriff's Office Marine Usage
Massachusetts - Marine Radio Profile (Part 2)

OCTOBER 1986: Pep Talk
---------- Information request
List of vessels with "Rescue" in the title
List of vessels with "Research" in the title
North Carolina - Marine Radio Profile (Part 1)

NOVEMBER 1986: Information on "Scanning News"
---------- Listeners Mexican Vacation Scanning
North Carolina - Marine Radio Profile (Part 2)

Well that completes our index for 1986. I hope I did not leave anything out.

Remember lets start out the year right by LISTENING YOUR LOGGINGS with us and your fellow readers.

Well I will see you again next month.

RCMA NEW MEMBERS LIST

CAAL053 - ROBERT TUCKMAN;6463 MELVILLE DRIVE;PIEDMONT;CA;94611
CAFR011 - JOHN --LAST NAME AND ADDRESS WITHELD BY REQUEST
CALA668 - RICHARD TRAVIS;268 E. ALFRED DR;CLAREMONT;CA;91711
CALA669 - M. L. --LAST NAME AND ADDRESS WITHELD BY REQUEST
CALA670 - DENNY --LAST NAME AND ADDRESS WITHELD BY REQUEST
CAMO003 - PAT MOLINARI;1127 MONTANA ST;SALINAS;CA;93905
CASJ012 - MARK CARPENTER;950 W. GRANTLINE #46;TRACY;CA;95376
FL 222 - EDWARD MCCLEARY;1215 SOUTHEAST 46TH LANE #A;CAPE CORAL;FL;33904
IL 333 - TOM BAALMAN;330 MCGINNIS;ALTON;IL;62002
MA 167 - JAMES T. ALMOND;41 OXFORD ST;FALL RIVER;MA;02721
MI 174 - DICK HIGGENS;8643 E. FULTON;ADA;MI;49301
NJ 220 - GREG IHNEN % DR HARTWICK;260 GODWIN AVE;WYCKOFF;NJ;07481
NJ 221 - JON ELLIS;2366 MONICA PLACE;SCOTCH PLAINS;NJ;07076
NY 362 - DOUG CANNING;55 WINDMILL DR;HUNTINGTON;NY;11743
NY 363 - GEORGE B. SCHRAMM JR.;4250 LUDWIG LANE;BETHPAGE;NY;11714
OH 184 - DAVID SANTAGATA;307 IOWA AVE;GIRADE;OH;44420
OH 185 - CHRIS NEUBERGER;5119 HOAGLAND-BLACKSTUB ROAD;CORTLAND;OH;44410
OH 186 - DAVID --LAST NAME AND ADDRESS WITHELD BY REQUEST
RI 029 - CPL MICHAEL CARDARELLI;P.O. BOX 9303;PROVIDENCE;RI;02904
TX 185 - BOBBY ROSE;5004 FLAMINGO;ROWLETTT;TX;75088
WA 078 - KURT --LAST NAME AND ADDRESS WITHELD BY REQUEST

MEMBERSHIP CARDS AND BADGES

RCMA has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. While other clubs may have gimmicks or commercial good deals, our 'good deal' is your newsletter. You determine its content because you write it.

MAILING PROCEDURES

The newsletter mailed each month has a cover date for the following month. This practice is followed so that the US Post Office can deliver your issue no later than the first of the month designated on the cover.

New members whose applications are received before the end of the month will begin receiving the newsletter the following month. The first issue will be dated the month after that — as described above.

RENEWAL PROCEDURES

During the month your membership — and therefore your newsletter delivery — is due to expire, you will receive a renewal notice in the form of a postcard. It contains all the information you need to continue receiving the newsletter.

Renewal checks and new membership applications received by RCMA's General Manager, P.O. Box 542, Silverado, CA 92676, are processed for deposit on a weekly basis. Actual computer updating is done at the end of each month. If your check/MO is received after this cut-off date, you will miss the next issue of the newsletter and your new renewal date will be moved back accordingly.

PRORATED MEMBERSHIPS

Due to postage costs and other considerations, membership applications or renewals for any sum less than the current rate are prorated accordingly. This means that the renewal date will be due in less than a year. Please do not send more money to finish the year; just renew when your prorated date comes up.

Also because of postage costs, RCMA cannot comply with member requests to supply back issues free of additional charge (see the monthly Calendar section regarding ordering of back issues). If a late renewal results in a missed issue, the newsletter can be ordered from RCMA's secretary.

ADDRESS CHANGES

MEMBER notifications of address changes are also updated at the end of each month. If this type of address change notice arrives after the cut-off date, the mailing label will not reflect the new address until the following month.

The newsletter is mailed 3rd class under a bulk mail permit. When a member's address change is supplied by the POST OFFICE (instead of by the member), the charge to the club is 30¢.

SPECIAL FREQUENCY REQUESTS

Get in touch with your local RCMA group (see monthly Calendar section for chapter listings) or use the Contact/Information Wanted column for frequencies in your area. RCMA is not yet set up for national distribution of frequencies, although ultimately, the 'big picture' could include copies of the FCC and IRAC data bases, a fast computer, and software to select and sort in any order.

Contributions of frequencies and other material must be sent to the appropriate newsletter editor. (Editors use their own discretion in printing material sent them by non-members.) Data sent to P.O. Box 4563 is always subject to delay and sometimes cannot be forwarded because of postage costs.

DISCLAIMER

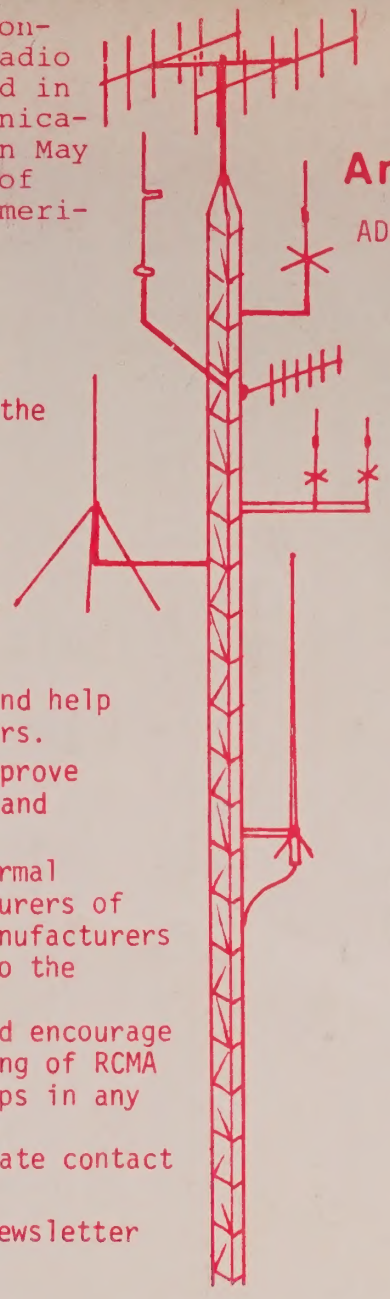
RCMA is a non-profit club for scanner enthusiasts. Neither RCMA or its newsletter are affiliated with, participate in the management of, or are responsible for, any other organization or publication. This disclaimer includes application to POLICE CALL, an annual publication put out by RCMA's good friend Gene Hughes. Queries about this publication cannot be answered by RCMA.

PLEASE REMEMBER — When writing to RCMA for any reason, include your membership number. Use it on your correspondence, checks, or money orders. RCMA tries hard to be responsive to your questions/problems. Using your membership number when you write helps us be of help to you.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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